

20011221.qrp v02_n412.qrl.20011221

Date: Fri, 21 Dec 2001 19:03:05 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2412

QRP-L Digest 2412

Topics covered in this issue include:

- 1) [115503] Re: What about the 6L6?
by Bruce Muscolino <w6toy@erols.com>
- 2) [115504] Re: Straight Key source
by Ted Kell <tedkell@ev1.net>
- 3) [115505] DDS VFO kit ?
by n2go@arrl.net
- 4) [115506] Re: What about the 6L6?
by "George, W5YR" <w5yr@att.net>
- 5) [115507] Re: Power problem with NC-20 need help Please
by "John J. McDonough" <wb8rcr@arrl.net>
- 6) [115508] Re: Cordless soldering pencils
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 7) [115509] Re: Straight Keys
by "kw3u@warwick.net" <kw3u@warwick.net>
- 8) [115510] Re: tubes sound better?
by "John Moriarity" <k6qq@hdo.net>
- 9) [115511] Re: Butternut Hf9V ?
by Joe Reed <joe@n9jr.dyndns.org>
- 10) [115512] RE: QRP-L digest 2411
by "Johan Smet" <johan_smet@pandora.be>
- 11) [115513] Re: HF9V CPK
by n2go@arrl.net
- 12) [115514] testing crystal finers
by "Tracy Markham" <tracy@bytemark.com>
- 13) [115515] Re: HF9V CPK
by brickle <brickle@pobox.com>
- 14) [115516] Re: what makes this list great
by W2BJ <w2bj@minsky.info>
- 15) [115517] Re: Power problem with NC-20 need help Please
by IamSF5@aol.com
- 16) [115518] TRUFFLE
by "George, W5YR" <w5yr@att.net>
- 17) [115519] Re: DDS VFO kit ?
by "Trevor Jacobs" <fxtech@earthlink.net>
- 18) [115520] Re: Power problem with NC-20 need help Please
by Dave Redfearn <n4elm@attbi.com>
- 19) [115521] Tubes, Crystals, and other Oldies (But Goodies)

- by Kenneth Hoglund <hoglund@wfu.edu>
- 20) [115522] Re: Straight Keys
by "Francis Callahan" <colcal@srv.net>
- 21) [115523] BLT tuner-SOLVED!
by "TC Dufresne" <tdufresne@neb.rr.com>
- 22) [115524] Cathode keying voltage?
by Nick Kennedy <nkennedy@tcainternet.com>
- 23) [115525] FOX: Truffle
by "Tom" <n1tp@worldnet.att.net>
- 24) [115526] RE: TRUFFLE
by "N8IE" <n8ie@woh.rr.com>
- 25) [115527] Re: tubes sound better?
by "Trevor Jacobs" <fxtech@earthlink.net>
- 26) [115528] What about the 6L6?
by "Tom Curtola" <tcurtola@rogers.com>
- 27) [115529] Re: Cathode keying voltage?
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 28) [115530] Da Fox, K4FB
by "N8IE" <n8ie@woh.rr.com>
- 29) [115531] Heath QF-1
by Steven Weber <kd1jv@moose.ncia.net>
- 30) [115532] re:Delaware
by ki3b@juno.com
- 31) [115533] Got em both...
by Fred Lesnick <flesnick@tbaytel.net>
- 32) [115534] Re: Da Fox, K4FB
by Bob Schreibmaier <k3ph@dxis.monroe.pa.us>
- 33) [115535] TRUFFLE LOG - AF4PS
by Macstein@aol.com
- 34) [115536] Re: Da Fox, K4FB
by "Tom" <n1tp@worldnet.att.net>
- 35) [115537] Tubes, Odds & Evens, Guinness
by Nick Kennedy <nkennedy@tcainternet.com>
- 36) [115538] FOX: Wow!
by "Karl F. Larsen" <k5di@zianet.com>
- 37) [115539] Re: Cathode keying voltage?
by "Brice D. Hornback" <bdh@cyberbound.net>
- 38) [115540] Fox -- TwoFer Thursday! :-)
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 39) [115541] Re: Tubes, Straight keys, 40 meters, FCC and all.
by Haines Brown <brownh@hartford-hwp.com>
- 40) [115542] Re: Tubes, Odds & Evens, Guinness
by "Mark J. Dulcey" <mark@buttery.org>
- 41) [115543] Re: Fox- K4FB Thursday
by Arthur Moe <kb7ww@uswest.net>
- 42) [115544] Thanks to the Foxes
by rfcdma@spinn.net
- 43) [115545] My two cents about straight keys

by Dennisskea@aol.com

44) [115546] TT2: One more on the air!
by "Scott Holisky" <sholisky@tpt.org>

45) [115547] FOX: Paul still around 7.036???
by "Trevor Jacobs" <fxtech@earthlink.net>

46) [115548] Re: [fpqrp] Tubes, Straight keys, 40 meters, FCC and all.
by Nv4t@aol.com

47) [115549] [Elmer 101] VFO
by "Jerry McDermand" <mcdermand@att.net>

48) [115550] Bagged my first pelt of the Year!
by Dragon Singer <WM-Scace@wiu.edu>

49) [115551] Re: Measuring xtal power - Preaviso: Tube content
by "Dave Fifield" <dave@redhotradio.com>

50) [115552] Doing the Happy Dance!!!
by "Trevor Jacobs" <fxtech@earthlink.net>

51) [115553] Re: Power problem with NC-20 need help Please
by Steven Weber <kd1jv@moose.ncia.net>

52) [115554] Re: DDS VFO kit ?
by Steven Weber <kd1jv@moose.ncia.net>

53) [115555] Guinness a Triode, not a Diode
by "James R. Duffey" <jamesd1@flash.net>

54) [115556] 160 m ft-243 xtals
by larrykosch@glasscity.com

55) [115557] Fw: TX Keying
by "Brice D. Hornback" <bdh@cyberbound.net>

56) [115558] The Real (QRP) Ed Hare
by "James R. Duffey" <jamesd1@flash.net>

57) [115559] Fox report: K4FB
by Paul Womble <pwomble1@tampabay.rr.com>

58) [115560] Re: Heath QF-1
by Steven Weber <kd1jv@moose.ncia.net>

59) [115561] HB Antennas question
by Pete Burbank <plburbank@kih.net>

60) [115562] Re: [azqrp] Tube Rigs and Contests?
by "Mike Silva" <mjsilva697@earthlink.net>

61) [115563] Objections!
by "Dennis Ponsness" <wb0wao@hotmail.com>

62) [115564] Re: TT2: One more on the air!
by Pete Burbank <plburbank@kih.net>

63) [115565] TT2 Kits needed before the 25th
by "Trevor Jacobs" <fxtech@earthlink.net>

64) [115566] Re: Cathode keying voltage?
by Steve Baker <k8pz@earthlink.net>

65) [115567] Re: HB Antennas question
by Bill <w2eb@twcny.rr.com>

66) [115568] RE: Bagged my first pelt of the Year!
by "N8IE" <n8ie@woh.rr.com>

67) [115569] Re: Objections!

by "Karl F. Larsen" <k5di@zianet.com>
68) [115570] OT FS Lap top
by IamSF5@aol.com
69) [115571] FW: [RCSE] Chrystal Identification
by "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>
70) [115572] Re: tubes sound better?
by Bruce Muscolino <w6toy@erols.com>
71) [115573] Re: Bagged my first pelt of the Year!
by "Brian" <brian@iquest.net>
72) [115574] Dumbing Down Process
by "Tom Curtola" <tcurtola@rogers.com>
73) [115575] LTA key..... :)
by "George Osier" <gosier@twcny.rr.com>
74) [115576] RE: testing crystal finters
by "Kwik, Ed " <ed.kwik@delphiauto.com>
75) [115577] Re: Cathode keying voltage?
by "George, W5YR" <w5yr@att.net>
76) [115578] Re: tubes sound better?
by "George, W5YR" <w5yr@att.net>
77) [115579] RE: testing crystal finters
by Nick Kennedy <nkennedy@tcainternet.com>
78) [115580] Re: Questions about BLT
by "Lee Mairs" <lmairs@cox.rr.com>
79) [115581] OT: Wireless Video
by "Steve Thompson" <steve@xcvr.com>
80) [115582] Re: testing crystal finters
by "Dave Benson" <nn1g@earthlink.net>
81) [115583] XTALs for FREE sort-of
by "w8diz" <w8diz@fpqrp.com>
82) [115584] Re: Islanders on DSB
by inforhc <inforhc@ip.etcusa.cu>
83) [115585] Re: Questions about BLT
by "George, W5YR" <w5yr@att.net>
84) [115586] RE: Cathode keying voltage?
by Nick Kennedy <nkennedy@tcainternet.com>
85) [115587] warbler
by joe living <jliving2001@yahoo.com>
86) [115588] Contest Announcement: FYBO 2002 Winter QRP Field Day
by Ultralight Joe <joe@UltralightBackpacker.com>
87) [115589] RE: Cathode keying voltage?--Addendum
by Nick Kennedy <nkennedy@tcainternet.com>
88) [115590] Re: Cathode keying voltage?
by "Brice D. Hornback" <bdh@cyberbound.net>
89) [115591] Re: What about the 6L6?
by "Mark Fancher" <mmfancher@earthlink.net>
90) [115592] Re: What about the 6L6?
by "George, W5YR" <w5yr@att.net>
91) [115593] Re: Contest Announcement: FYBO 2002 Winter QRP Field Day

by "Mike WA8BXN" <hubby2k@hotmail.com>
92) [115594] Re: What about the 6L6?
by "Brian" <brian@iquest.net>
93) [115595] Re: Contest Announcement: FYBO 2002 Winter QRP Field Day
by Chris Cartwright <ccart@phideaux.com>
94) [115596] Re: Contest Announcement: FYBO 2002 Winter QRP Field Day
by Ultralight Joe <joe@UltralightBackpacker.com>
95) [115597] Re: What about the 6L6?
by "Brice D. Hornback" <bdh@cyberbound.net>
96) [115598] 30M crystal
by "Brian" <brian@iquest.net>
97) [115599] Here's a source for WW2 era J-38 Keys
by "Trevor Jacobs" <fxtech@earthlink.net>
98) [115600] Re: 30M crystal
by "Brian" <brian@iquest.net>
99) [115601] Re: Contest Announcement: FYBO 2002 Winter QRP Field Day
by "Bob Hightower" <nk7m@extremezone.com>
100) [115602] FOX: FINAL LOG - CUB FOX NOIT
by Dave Sjolin <sjolin@swbell.net>
101) [115603] WANTED: DSP-100
by "Jay Bromley" <w5jay@alltel.net>
102) [115604] SWAP
by "Francis Callahan" <colcal@srv.net>
103) [115605] OT: Computer For PSK3
by "Jerry Bartachek" <leadsheet@musician.org>
104) [115606] Fox- K4FB log v 1.0
by Paul Womble <pwomble1@tampabay.rr.com>
105) [115607] RE: Contest Announcement: FYBO 2002 Winter QRP Field Day
by "John_Evans" <jaevals@codenet.net>
106) [115608] Re: TT2 Kits needed before the 25th
by "Trevor Jacobs" <fxtech@earthlink.net>
107) [115609] RE: Cathode keying voltage?
by Tom Popovic <ki3r@yahoo.com>
108) [115610] Tube Keyer?
by <blinn@smgazette.com>
109) [115611] RE: testing crystal finers
by "Tracy Markham" <tracy@bytemark.com>
110) [115612] valves/tubes kits
by euraamcom pages <mel@euramcom.freemove.co.uk>
111) [115613] My Christmas card to all of you
by "Rob Matherly" <kc0bom@arrl.net>
112) [115614] MOPA?
by WE7X@aol.com
113) [115615] Re: MOPA?
by "Mike Branca" <w3irz@att.net>
114) [115616] Re: MOPA
by <jfox6@houston.rr.com>
115) [115617] Re: MOPA?

- by "E. Roswell" <eroswell@monmouth.com>
- 116) [115618] Build a Logging Frequency Counter
by "George Heron N2APB" <n2apb@erols.com>
- 117) [115619] Re: valves/tubes kits
by Alex <kr1st@amsat.org>
- 118) [115620] RE: testing crystal finters
by "Leon Heller" <leon_heller@hotmail.com>
- 119) [115621] parts FS
by N2PTW@cs.com
- 120) [115622] Re: Objections!
by "Phinizy, William" <wphinizy@filenet.com>
- 121) [115623] OT:RE: Objections!
by "Tracy Markham" <tracy@bytemark.com>
- 122) [115624] RATC special station
by Ed Loranger <we6w@qsl.net>
- 123) [115625] All this discussion about Home Brew Tube Rigs Reminds Me
by Dave Fouchey <dafouchey@home.com>
- 124) [115626] Re: What about the 6L6?
by Bruce Muscolino <w6toy@erols.com>
- 125) [115627] Re: MOPA?
by Bruce Muscolino <w6toy@erols.com>
- 126) [115628] Re: What about the 6L6?
by Dave Fouchey <dafouchey@home.com>

Date: Thu, 20 Dec 2001 18:57:49 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: FIVEWATTS@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115503] Re: What about the 6L6?
Message-ID: <3C227AFD.76DB3C34@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ah nostalgia! I think the reason you don't hear much about the 6L6 these days is that they are hard to come by and snapped up by audiophiles! The 6L6 made a fine rig. I used one in a Heathkit AT-1. Put out around 20 watts on all bands except 10 meters where it doubled in the final and only put out 10 watts. There were a number of fixed for that too! There are literally hundreds of circuits for the old girl in QST. Build one and go for it! And I remember 4 cent QSL postage!

Date: Thu, 20 Dec 2001 18:01:52 -0600
From: Ted Kell <tedkell@ev1.net>
To: jstamper@shentel.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115504] Re: Straight Key source
Message-ID: <200112201801486.SM00224@tedkell>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Checkout eBay. Lots of keys there.. Be patient and bid last. You can get something nice there.

N3Ted

12/19/01 5:24:28 PM, "Jim Stamper" <jstamper@shentel.net> wrote:

>Anybody know a source for a very inexpensive straight key--something like a
>J-38. Want full size, not the Christmas tree ornament. Too clumsy for
>that. Just want something to try on Straight Key night. Some years ago I
>lent my old one to some kids I was trying to interest in taking the exam.
>Never got it back and they never took the exam.

>
>jim-
>KG4LDY
>James H. Stamper
>519 Park Avenue
>Woodstock, VA 22664-1260
>540-459-8350
>
>
>
>

Date: Thu, 20 Dec 2001 19:24:39 -0500 (EST)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [115505] DDS VFO kit ?
Message-ID: <Pine.LNX.4.21.0112201919230.2727-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

January 2002 QST has an description of a Compact Direct-Digital VFO.

Has anyone ordered or built one yet. I got one in the mail today. Other parts should follow. The pcb looks like it is very high quality, plated through holes etc. I will be using it for a receiver project that will use a 5- 5.5Mhz VFO.

What are you using yours for?

73,

Jim n2go

Date: Thu, 20 Dec 2001 18:09:41 -0600
From: "George, W5YR" <w5yr@att.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115506] Re: What about the 6L6?
Message-ID: <3C227DC5.5A1307C1@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And nothing else smelled quite the same as a hot 6L6 metal tube! Especially after it got a little dust on it . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Bruce Muscolino wrote:

>

> Ah nostalgia! I think the reason you don't hear much about the 6L6
> these days is that they are hard to come by and snapped up by
> audiophiles! The 6L6 made a fine rig. I used one in a Heathkit AT-1.
> Put out around 20 watts on all bands except 10 meters where it doubled
> in the final and only put out 10 watts. There were a number of fixed
> for that too! There are literally hundreds of circuits for the old girl

> in QST. Build one and go for it! And I remember 4 cent QSL postage!
>
> 73

Date: Thu, 20 Dec 2001 19:09:59 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <IamSF5@aol.com>
Subject: [115507] Re: Power problem with NC-20 need help Please
Message-ID: <055101c189b3\$d5df0a40\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would expect that the rig putting out 4 watts has some parasitics. I noticed a tendency toward some instability on my NC-20 depending on how I approached tuning it. I had the distinct impression that I was getting plenty of frequencies besides the one I wanted if I wasn't careful.

I would revisit the tuning of the 4 watt rig, and get it to someone with a spectrum analyzer.

The fact that it heats up the dummy load faster than the 6 watt rig is an indication that it is, in fact, putting out more power. The fact that your wattmeter shows a lower output would indicate to me that the power it is delivering is happening at frequencies your wattmeter doesn't find interesting.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: <IamSF5@aol.com>
Subject: Power problem with NC-20 need help Please

> Hi everyone,
> I have 2 NC-20 rigs sitting side by side.

Date: Thu, 20 Dec 2001 18:59:31 -0500

From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115508] Re: Cordless soldering pencils
Message-ID: <3C227B63.CA30F6F3@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for spelling, my spell check "corrected my spelling" and
I did not catch it... 8-(

Jerry
W3CDE

Mike Yetsko wrote:

>
> > I, too, had one of those irons and they are made by WAHL, not WALL.
t was a fairly decent iron...
>
> Mike

Date: Thu, 20 Dec 2001 19:04:13 -0500
From: "kw3u@warwick.net" <kw3u@warwick.net>
To: casey.jay@gte.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115509] Re: Straight Keys
Message-ID: <3C227C7D.C72A1CEA@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Same here Donn, got a bencher paddle strickly to answer highspeed dx,
but all other is straight key only, a nice variety I switch around when I notice
one collecting dust and looking forlorn. The tokyo himound is this weeks along
with the classic vibroplex straight, moved the chinese army and bencher
straight keys to the shelves to cool off for a while. The Kent enjoys a permanent
place of honor with my adventurer(which will be the official SKN stn this year).
Lessee John says nobody makes em anymore, guess he hasn't visited
Morsex lately.

72 Jim kw3u (where every nite is straight key nite)

Donn Kuse wrote:

> Sorry, John, but I've never used anything but a straight key. Never liked the
> bugs or the paddles. Tried the paddles, have one, but don't like it. Don't
use
> a keyer either. There are a lot of us that do use straight keys for some reason
> or another. I personally enjoy all the info on them. Still use one I had when
I
> was a Novice 25 years ago!
> 73, Donn, WB4ZWT
> 66 and still learning
>
> W2AGN wrote:
>
> > I object to all this talk about Straight Keys. Nobody uses straight keys any
> > more. Nobody even makes them any more. Everybody uses a keyer or a keyboard! I
> > don't like the posts about straight keys and I want you all to stop talking
> > about them!
> >
> > So there!
> >
> > --
> > -----
> > John L Sielke W2AGN
> > w2agn@pobox.com
> > <http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 16:15:32 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115510] Re: tubes sound better?
Message-ID: <003d01c189b4\$9ba53a60\$8b5fa13f@k6qq>

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>

> Bruce, have to quibble just a tad about time.
>
> I used grid-block keying of my electronic switch keyer when I built it
in
> 1947. Worked just like grid-blocked keying of amplifier tubes, only
these
> were switch tubes: four type 45's in parallel which cathode-keyed an

807.

Indeed! I was just looking in my 1938 "Jones" Handbook, and they show a keyer just like that, using 45s or 2A3s. My older handbooks are packed, and I can't check them.

BTW, just to establish **my** old-fogeyness, **I** remember penny postcards and 3 cent stamps.

73,

John, K6QQ

Date: Fri, 21 Dec 2001 00:17:43 +0000 (UTC)
From: Joe Reed <joe@n9jr.dyndns.org>
To: <n2go@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115511] Re: Butternut Hf9V ?
Message-ID: <Pine.LNX.4.33.0112210013430.16403-100000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I believe that is from the counterpoise kit. The 160 meter kit consists of a "big" coil you attach at the base and in most cases remove the DC ground coil.

Amazing as it seems, the 160m coil works on the HF6/9 antenna.

Joe N9JR

On Thu, 20 Dec 2001 n2go@arrl.net wrote:

>
> I have a Butternut HF9V antenna. Since the temperature is finally dropping
> down to freezing and snow is finally a possibility, it seems time to do
> some antenna work.
>
> I've had the antenna for a while and have never had it up. It came with a
> CPK box but I don't think it has that unit...
>
> There seems to be an extra 12" section of 1.125 OD inch aluminum tube with
> insulator at each end. It also has a so-239 connector(with 6 inch wire

> pigtail terminated with a eyelet) mounted on a tubing clamp.
>
> Are these extra parts from the CPK mounting kit or a 160 kit?
>
> I still have to uncork the mounting pipe/concrete pad that held my Hygain
> DX88. Maybe an engine crane will do the job:) It is in the ground with no
> snow....yet. I am taking a couple days off and hope to get an antenna up
> before serious signs of winter appear.
>
> 73,
>
> Jim n2go
>

Date: Fri, 21 Dec 2001 01:23:32 +0100
From: "Johan Smet" <johan_smet@pandora.be>
To: <qrp-l@Lehigh.EDU>
Subject: [115512] RE: QRP-L digest 2411
Message-ID: <EIELKLLAKHJMDPPKMKALOECCAA.johan_smet@pandora.be>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi all!

Tubes, no problem, we started off with a 0-V-1 ourselves.

Anyway, for those who escaped Middle Ages, we'll be powering a 100mW beacon next Friday, Dec. 21.

Power: 100mW
Antenna: Carolina Windom
QRG: 18.107,00 kHz (800Hz)
Mode: QRSS, 10 seconds per dot
Schedule:
23:00 UTC : ON5EX
23:15 UTC : ON5EX (5-character codeword) K

Condx willing, using adequate filtering and appropriate "visual CW" software, the beacon should be copiable in the K1/W1/VE1 region. Timing may be inappropriate, don't hesitate asking for a re-xmission (on5ex@pandora.be or online MSN on5ex@hotmail.com). Each proved reception report (screen capture) will be rewarded with an original Euro coin!

73,

Johan ON5EX

Date: Thu, 20 Dec 2001 19:56:19 -0500 (EST)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [115513] Re: HF9V CPK
Message-ID: <Pine.LNX.4.21.0112201952550.2727-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It looks like I got most of the CPK counterpoise kit.
I found the contents of the CPK box and it seems to be missing two of the
thinnest tubes. They look like something that could easily be duplicated.

If anyone has the specs or manual or can supply a copy of them ? I will
cover copy costs.

73,

Jim n2go

Date: Thu, 20 Dec 2001 17:10:40 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [115514] testing crystal finfers
Message-ID: <NFBBKLDHALEHCJMAJPKFOEIACHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is the most active I've ever been on this list!! Great threads this
week ...

I have had in my possession for several (10+) years a pair of KVG 9 MHz
crystal filters. They are expensive buggers, even back then at>\$125 each. I
have one XF9A and one XF9B.

I'm sure that their performance does not deteriorate much over the years,
but they've been packed, shipped, packed, shipped, everywhere I've gone.

I want to build a little test jig to see if they still meet specs, or function well enough, but I really have no clue how to go about it. I figured I'd build a fixture with a little match network to feed it and terminate it properly. But, all I can figure to do is use a circuit out of a receiver that matched the 500 ohm impedance to 50 ohms like in the Progressive Receiver by W7ZOI, and terminate it with a 500 ohm resistor.

Is this a good idea?? I figured I'd use my DDS card to sweep the filter from say 8.5 to 9.5 MHz, and look at the termination with a scope. My shop has a 100 MHz scope I can use to look at the output.

Questions are, is my idea right, is there a better, or an easier way to match to it, and what would be a good test if I didn't have a scope.

I did build the progressive receiver by Wes, and it was great - but that was years ago. Then I used the IF amp from that project and the product detector minus audio amps from basically a mini R1, into a sound blaster for a little computer controlled rig. That was fun too.

But all that was years ago and I'd like to see if the filters are still good, and learn a bit about the process in the mean time.

Thanks!!

Tracy N4LGH

Date: Thu, 20 Dec 2001 20:07:56 -0500
From: brickle <brickle@pobox.com>
To: n2go@arrl.net
Cc: qrp-l@lehigh.edu
Subject: [115515] Re: HF9V CPK
Message-ID: <3C228B6C.3A36A724@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

> If anyone has the specs or manual or can supply a copy of them ? I will
> cover copy costs.

You can download any of their manuals from

http://www.bencher.com/pdf_download.html

They're in .pdf format. You'll need Acrobat Reader.

Frank
AB2KT

Date: 20 Dec 2001 17:13:33 -0800
From: W2BJ <w2bj@minsky.info>
To: kc4atu@yahoo.com
Cc: qrp-l@Lehigh.EDU
Subject: [115516] Re: what makes this list great
Message-ID: <20011221011333.15095.cpmta@c001.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

On Wed, 19 December 2001, Bill ROWLETT wrote:

> Lets all work on making it even better, and understand
> the differences which make us what we are. Respect for
> each other is the key to our success.
>
> May you all have a great holiday, be safe, and work a
> ton of DX.
>
> 73 Bill KC4ATU

Bill,
Thank you for your very helpful and constructive comments. We do have a great list, one that I enjoy being a part of. The combined knowledge and experience on this list is awesome. Let's work together to help each one of us be the best QRP hams we can be.

God bless each of you during this holiday season. See you on the air.

72/73, Barry J. Minsky, W2BJ ARRL, QRP ARCI #8871,
NorCal #1560, QRP-L, FISTS #2701, Century Club
#569, Platinum #51, Silver #119, FISTS CW Club of
Coastal Georgia, Knightlites, Adventure Radio
Society #359, QCWA #29298, OOTC #3723, SOC #193,
K2 #577, K1 #98

Date: Thu, 20 Dec 2001 20:14:04 EST

From: IamSF5@aol.com
To: wb8rcr@arrl.net, qrp-l@lehigh.edu
Subject: [115517] Re: Power problem with NC-20 need help Please
Message-ID: <23.1677f20e.2953e6dc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/20/01 7:10:16 PM Eastern Standard Time, wb8rcr@arrl.net writes:

<<

The fact that it heats up the dummy load faster than the 6 watt rig is an indication that it is, in fact, putting out more power. The fact that your wattmeter shows a lower output would indicate to me that the power it is delivering is happening at frequencies your wattmeter doesn't find interesting. >>

Hi John,

Thanks for the info.

I know there is a bug in the rig but I can't nail it.

Every now and then when I push in the tune button the rig will screech and the tone is all distorted.

Thanks for the advice.

I'll find someone with the right gear and go over it.

Have a nice Christmas

Bob

WA2HOQrp <tm>

Date: Thu, 20 Dec 2001 19:18:42 -0600
From: "George, W5YR" <w5yr@att.net>
To: qrp-l@lehigh.edu
Subject: [115518] TRUFFLE
Message-ID: <3C228DF2.B45821F8@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Any truffles tonight?

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Date: Thu, 20 Dec 2001 17:22:11 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <n2go@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115519] Re: DDS VFO kit ?
Message-ID: <001f01c189bd\$eafa9700\$d29ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, I saw the article too. It looks neat, but it's lacking a few features, plus they kind of glossed over the spurious frequency issue. There isn't even a low pass filter on the output! At least with that you can get rid of the 3 giant spurs that are DDS Clock Frequency + Operating Frequency, DDS Clock Frequency - Operating Frequency and the DDS Clock Frequency. Also, you get a ton of smaller spurs that are caused by ringing on the leading edge of the DAC output levels when it changes level (think of a stair going up and down). Higher resolution DAC's will help this down the road, but they are still pretty prevalent in the AD9835. It's not horrible though, and you can play around with the clock frequency a bit to make the operating area of choice a bit cleaner. One last note, is that Analog Devices recommends that you don't go above 30% of the clock frequency to generate your output, and with a 50 MHz clock that translates to 15 MHz. The article in QST stated 20 MHz, and I think you are getting a bit too close to the nyquist frequency at that point. I've been playing around with the AD9835 and the AD9850 for a few months on and off, and they are a lot of fun. At least this little kit would give you something to start playing around with. Steven Webber has built some very nice DDS Kits in the past that even included some Flash Memory and all sorts of programmable options like IF offsets. Also, there is a bunch of info on the NJ QRP Club project page that's real good. Just out of curiosity, what was included in the kit and how much did it cost? Take care...

72/73's

Trev

KG6CYN

----- Original Message -----

From: <n2go@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, December 20, 2001 4:24 PM
Subject: DDS VFO kit ?

> January 2002 QST has an description of a Compact Direct-Digital VFO.
>
> Has anyone ordered or built one yet. I got one in the mail today.
Other
> parts should follow. The pcb looks like it is very high quality,
plated
> through holes etc. I will be using it for a receiver project that will
use
> a 5- 5.5Mhz VFO.
>
> What are you using yours for?
>
>
>
>
> 73,
>
> Jim n2go
>
>

Date: Thu, 20 Dec 2001 19:19:20 -0600
From: Dave Redfearn <n4elm@attbi.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115520] Re: Power problem with NC-20 need help Please
Message-ID: <3C228E18.276D8D92@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

IamSF5@aol.com wrote:

>
> The lower power rig heats up the final much faster and you can't hold your
> finger on the back for more then 15 seconds and a 1 minute key down
> It also heats up the dummy load faster.
>
> The rig putting out 6 watts gets hot on the rear but you can keep your finger
> on it and it doesn't seem to get any hotter.

In Rig #1 the final may be oscillating at some high frequency above 30
Mhz.

You may want to check/replace the bypass capacitors in that stage as a start.

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Thu, 20 Dec 2001 20:24:05 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115521] Tubes, Crystals, and other Oldies (But Goodies)
Message-ID: <3C228F35.51351992@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Maybe the start of all those cards and letters?

It's good to see so many ops gearing up for SKN ("Straight Key Night"). Don't forget that in conjunction with the relaxed pace of SKN there is a qrp/straight key/crystal controlled event just for you: "Rock Around the Clock!" The rules (such as they are) may be found at <http://www.wfu.edu/~hoglund/Roc.htm> but don't forget: every op who submits a log is a winner!

We're in the final stages of finalizing our lists of special stations, and checking them twice (all the rig owners have been very, very nice), but for now you need to know there will be some great rigs on the air for short periods throughout the SKN. You work one and it's mega-points for "Rock Around the Clock." Work two and your score will go higher than Curtis LeMay's SAC Bombers!

So warm up those valves, or tubes, or whatever.....shine up the crystals....readjust the straight key and get set for fun.

On Behalf of the Greater Piedmont QRP Club,

Ken Hoglund KG4FGC

Date: Thu, 20 Dec 2001 18:26:48 -0700

From: "Francis Callahan" <colcal@srv.net>
To: <casey.jay@gte.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115522] Re: Straight Keys
Message-ID: <001901c189be\$90326d60\$90db070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I still use the J-38 I bought as a novice in a box of stuff for \$1.00 over 20 years ago and the best part of copying a person with a straight key is his individual swing. Seems like people with paddles tend to run all the letters together 72 Cal KF7ET misplaced Vermonter in Idaho

----- Original Message -----

From: "Donn Kuse" <casey.jay@gte.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, December 20, 2001 1:55 PM
Subject: Re: Straight Keys

> Sorry, John, but I've never used anything but a straight key. Never liked the
> bugs or the paddles. Tried the paddles, have one, but don't like it.
Don't use
> a keyer either. There are a lot of us that do use straight keys for some reason
> or another. I personally enjoy all the info on them. Still use one I had when I
> was a Novice 25 years ago!
> 73, Donn, WB4ZWT
> 66 and still learning
>
> W2AGN wrote:
>
> > I object to all this talk about Straight Keys. Nobody uses straight keys any
> > more. Nobody even makes them any more. Everybody uses a keyer or a keyboard! I
> > don't like the posts about straight keys and I want you all to stop talking
> > about them!
> >
> > So there!
> >
> > --
> > -----
> > John L Sielke W2AGN

> > w2agn@pobox.com
> > http://www.qsl.net/w2agn
>

Date: Thu, 20 Dec 2001 13:29:16 -0000
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [115523] BLT tuner-SOLVED!
Message-ID: <00ab01c1895a\$52afcf00\$89b41c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who helped and made recommendations on my stubborn BLT tuner.
Turns out the toroid was wound out of phase. I somehow wound L1 the opposite
direction after the loop to ground..

How did I do that??!?!?

Anyway, works great, tunes my 1/2 wave dipole to about 1.4:1 SWR on 40
meters, a bit higher on 15 meters. This is with my new 2N2-40 homebrew. What
a cool pair!
Thanks again to all who responded
Tom
KC0GXX

Date: Thu, 20 Dec 2001 19:35:26 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115524] Cathode keying voltage?
Message-ID: <01C1898D.7A67C6A0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Well George, I don't know what governs how much of the B+ appears on the
key of a cathode rig, but seems to me like it's usually not over about 50
to 70 volts. Speaking of little cathode keyed rigs like the HT-40, DX-40
and DX-35. It would sure get your (my) attention when I touched the key,
but it was far from the full B+ voltage.

One of my hand keys had an arrangement that kept the moving piece insulated from the circuit--that saved me quite a few shocks.

72--Nick, WA5BDU

-----Original Message-----

From: George, W5YR [SMTP:w5yr@att.net]

Gee Jerry, <:}

Did you ever cathode key an 807 with 750 volts on the plate? If so, don't you remember how much voltage appeared across those open key contacts, just waiting for your finger to slip? Very nearly the entire 750 volts! No, it wasn't true B+ keying but it produced about the same effect if you got across that key!

Date: Thu, 20 Dec 2001 20:38:04 -0500
From: "Tom" <n1tp@worldnet.att.net>
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>
Subject: [115525] FOX: Truffle
Message-ID: <000701c189c0\$233fe280\$f5984d0c@tom>

7.046. UP

Tom, N1TP
Naples, FL

Date: Thu, 20 Dec 2001 20:37:30 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [115526] RE: TRUFFLE
Message-ID: <KHEKJAKPCEKFOHMPKJPDGEFGCAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Mac is working 7046 now!

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of George, W5YR
Sent: Thursday, December 20, 2001 8:19 PM
To: Low Power Amateur Radio Discussion
Subject: TRUFFLE

Any truffles tonight?

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Date: Thu, 20 Dec 2001 17:38:43 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115527] Re: tubes sound better?
Message-ID: <005301c189c0\$3a002a20\$d29ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Grid Block Keying is wonderfull, and I have the factory mod installed into my Johnson Viking II that installs grid block keying. It also uses 807's, but for modulating the 6146 finals ;-) This might sound nuts, but I'm working on a way to drop the power output down to 5 watts with another ham. The easiest way is to just build and attenuator, but we're going to try something a little different. The Viking II has become a real favorite of mine. Very easy to work on, in fact I rebuilt this one from the ground up.

72/73's

Trev
KG6CYN

----- Original Message -----

From: George, W5YR <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, December 20, 2001 3:56 PM
Subject: Re: tubes sound better?

> Bruce, have to quibble just a tad about time.
>
> I used grid-block keying of my electronic switch keyer when I built it
in
> 1947. Worked just like grid-blocked keying of amplifier tubes, only
these
> were switch tubes: four type 45's in parallel which cathode-keyed an
807.
>
> True, the commercial rigs didn't seem to adopt GB keying until after
the
> 40's.
>
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437
>
> All incoming and outgoing email virus-checked by Norton Anti-Virus
2002
>
>
> Bruce Muscolino wrote:
> >
> > Jerry,
> >
> > It depended on the time you got into ham radio. Cathode keying was
the
> > only way until about the mid-60's, at least for hams. Then grid
blocked
> > keying became the standard.
>
>

Date: Thu, 20 Dec 2001 21:30:53 -0500
From: "Tom Curtola" <tcurtola@rogers.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115528] What about the 6L6?
Message-ID: <00d901c189c7\$83c04e40\$0f316618@yec.phub.net.cable.rogers.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Timothoy Twerp was quite astounded,
when what he thought was, wasn't grounded.
In fact one might say, he was really transfixed,
with his thumb on pin 3 of a live 6L6.

author unknown

I keep a copy of that rhyme tacked to the wall were I work on my tube stuff.
Just as a reminder.

Date: Fri, 21 Dec 2001 02:36:00
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: nkennedy@tcainternet.com, qrp-1@Lehigh.EDU
Subject: [115529] Re: Cathode keying voltage?
Message-ID: <F47UA3ZaNXv8IVkhNPm000030fa@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

With the cathode ungrounded, the tube is pretty much cut off (ie, a very
high resistance) but with no current flowing most of the plate voltage will
appear at the cathode and hence across the key. One soon learns not to come
in contact with the key leads!

73/72 - Mike WA8BXN

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Thu, 20 Dec 2001 21:43:57 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "FPQRP-1" <fpqrp-1@mpna.com>, "QRP-1" <qrp-1@lehigh.edu>
Subject: [115530] Da Fox, K4FB
Message-ID: <KHEKJAKPCEKFOHMPKJPDIEFHCAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Man Paul is an awesome operator!
Way to go Paul and thanks for the pelt!!!

72, oo
Karl Jr., N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

Date: Thu, 20 Dec 2001 16:20:04 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [115531] Heath QF-1
Message-ID: <3.0.6.32.20011220162004.007a3890@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>The Heateh QF-1 Q Multiplier was a regen additive for 455KC
>IF's. Worked great and lasted a long time... I still have
>mine 8-)..

I have one if anyone wants it! Think I paid \$10 for it, so that plus
postage takes it! Don't know if it works, so that's a risk you'll have to
take! (but I can at least test the tube and see if that's good)

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 20 Dec 2001 21:52:18 -0500
From: ki3b@juno.com

To: qrp-1@Lehigh.EDU
Subject: [115532] re:Delaware
Message-ID: <20011220.215402.-152693.0.ki3b@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Who needs Delaware??

Joe KI3B
Bear, DE 19701

CW/SSB QSO's are fine. I am not on PSK31 or RTTY as of yet, but with enough requests, I could be!!

73,

Joe

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 20 Dec 2001 21:57:56 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "QFOX@egroups.com" <QFOX@egroups.com>, QRPL <qrp-1@Lehigh.EDU>
Subject: [115533] Got em both...
Message-ID: <3C22A534.E3B44CE@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nabbed both foxiis by 0235 z.
Paul has a great signal .

Way to go guys.

Fred
VE3FAL

Date: Thu, 20 Dec 2001 22:00:05 -0500

From: Bob Schreibmaier <k3ph@dxis.monroe.pa.us>
To: qrp-1@lehigh.edu
Subject: [115534] Re: Da Fox, K4FB
Message-ID: <20011220220005.A16270@dxis.monroe.pa.us>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Thu, Dec 20, 2001 at 09:43:57PM -0500, N8IE wrote:
> Man Paul is an awesome operator!
> Way to go Paul and thanks for the pelt!!!

I'd say we had TWO pretty awesome foxes tonight!
These guys can really hand out the pelts!

72,
Bob

--
+----- \- \- \- \- -----+
| Bob Schreibmaier K3PH | E-mail: k3ph@dxis.monroe.pa.us |
| Kresgeville, PA 18333 | http://www.qsl.net/k3ph |
+-----+

Date: Thu, 20 Dec 2001 22:01:52 EST
From: Macstein@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [115535] TRUFFLE LOG - AF4PS
Message-ID: <c6.3c4783d.29540020@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

What a hoot! er... oink. Please send corrections, as you know I'm kinda deaf.
The last one especially needs to email me. grin.

01	0130	N5IB	559	LA	Jim	5w
02	0131	K4FB	599	FL	Paul	5w
03	0132	AD4IH	559	FL	Joe	5w
04	0133	N8IP	559	OH	Dan	5w
05	0134	N1TP	599	FL	Tom	5w
06	0135	W8DIZ/4	599	FL	Diz	5w
07	0136	KA5JHP	559	TX	Bill	5w
08	0137	W5YR	559	TX	George	5w
09	0138	WV9N	559	OH	Randy	5w
10	0139	W0CH	579	MO	Dave	900mw

11	0140	K8KFJ	599	WV	Gary	5w
12	0142	N3BJ	599	VA	Alan	5w
13	0143	K4TJD	599	GA	Tom	5w
14	0144	N2CQ	559	NJ	Ken	5w
15	0145	VE3FAL	579	ON	Fred	5w
16	0146	W5USJ	559	TX	Chuck	5w
17	0147	AB8DF	559	MI	Ed	5w
18	0148	K9DI	559	IL	Wayne	5w
19	0150	W9NE	579	WI	Todd	5w
20	0151	K4ADI	559	SC	Frank	5w
21	0152	KB9YIG	569	IN	Tony	5w
22	0154	WR50	559	TX	Dave	5w
23	0155	N8VAR	559	OH	Ron	5w
24	0156	WA8BXN	559	OH	Mike	5w
25	0158	AA50	559	LA	Vern	5w
26	0159	K4BYF	559	FL	Jack	5w
27	0200	KA8AW?	559	?	?	5w

AB8WW?

KB8WW? email me pse!

Truffle AF4PS 559 FL Mac 5w

Date: Thu, 20 Dec 2001 22:05:57 -0500
 From: "Tom" <n1tp@worldnet.att.net>
 To: <k3ph@dxis.monroe.pa.us>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Subject: [115536] Re: Da Fox, K4FB
 Message-ID: <005101c189cc\$69d0a660\$f5984d0c@tom>

YES! Two almost amazing performances by both
 FOXes this evening.
 Watch out, Larry, N2WW. (Grin)

Tom, N1TP
 Naples, FL

----- Original Message -----
 From: "Bob Schreibmaier" <k3ph@dxis.monroe.pa.us>
 To: "Low Power Amateur Radio Discussion"
 <qrp-l@Lehigh.EDU>
 Sent: Thursday, December 20, 2001 10:00 PM
 Subject: Re: Da Fox, K4FB

On Thu, Dec 20, 2001 at 09:43:57PM -0500, N8IE

wrote:

> Man Paul is an awesome operator!
> Way to go Paul and thanks for the pelt!!!

I'd say we had TWO pretty awesome foxes tonight!
These guys can really hand out the pelts!

72,
Bob

--
+-----
\\-\\-\\-\\ -----+
| Bob Schreibmaier K3PH | E-mail:
k3ph@dxis.monroe.pa.us |
| Kresgeville, PA 18333 | <http://www.qsl.net/k3ph>
|
+-----
-----+

Date: Thu, 20 Dec 2001 21:07:19 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [115537] Tubes, Odds & Evens, Guinness
Message-ID: <01C1899A.5065C3E0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On the subject of whether even harmonics sound better than odds, I said
that they are all harmonically (musically) related so they're all good.

On further discussion with K6QQ, I've changed my tune (pun intended). The
evens are all octaves of a given note. The odds aren't. To verify this, I
used my trusty spreadsheet to generate a chromatic scale starting with
A=440 Hz and each note beyond that equal to the 12th root of 2 times the
previous note. OK. Three times 440 is 1320 Hz. That falls close to (but
no cigar) the note of E, at 1318.51 Hz. It's off by 0.11% of a semi-tone.
[BTW--this is the 5th of the scale and comes very close to being perfect.]
But more importantly, it's a different note than the fundamental. So, I
sit corrected.

[However, I'll stubbornly stick to my opinion that musicians prefer tube
amps out of faddishness, admiration for their heroes, and affection for the

technical imperfections of the tube gear. The foregoing doesn't apply to ham tube gear though. Love that stuff!]

Point #2: I spelled Guinness wrong. But I almost got away with it. It took a tea swilling, biscuit eating, valve wiring, wrong side driving, warm beer drinking Subject of the Queen to straighten me out on that one. So I sit corrected again. You'd think a guy named Kennedy, son of a bartender, whose first ham shack was the storeroom of a tavern, would get that right.

Two corrections in one day. I should be humiliated. But strangely enough, I'm just thirsty.

(Next time I'll say Newcastle Brown. It tastes better and it's easier to spell.)

72--Nick, WA5BDU

Date: Thu, 20 Dec 2001 20:13:53 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [115538] FOX: Wow!
Message-ID: <Pine.LNX.4.33.0112202007010.4301-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm getting packed to drive up from Las Cruces to my son's home in Grand Junction, CO tomorrow. I found VE6EX at 7042.1 and had a little trouble getting him to hear me but after my shower he was stronger and heard me fine

Then went looking for the other fox. Found the pack no problem, but where was Paul? About 2 KHz lower! Found K4FB with not a single Hound on his frequency! I got my a and b vfo set about right and called him. He came right back and in 2 minutes I was done.

Dan was not quite as good at keeping the Hounds off him, but I stuck to my guns calling about 700 Hz high and he heard me.

Both Foxes are heading for a record number of pelts sent out.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 20 Dec 2001 22:13:50 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115539] Re: Cathode keying voltage?
Message-ID: <090701c189cd\$89316020\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Could that be the real reason for the "dust covers" on some keys?

73/72/71! de Brice KA8MAV

> One of my hand keys had an arrangement that kept the moving piece
insulated
> from the circuit--that saved me quite a few shocks.

Date: Thu, 20 Dec 2001 21:13:46 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115540] Fox -- TwoFer Thursday! :-)
Message-ID: <200112210313.AA01612@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Both foxii are doing a super job Reeling pelts off at a good clip. Paul has his split operation working so well I actually had to tune *below* the pack to find him! :-) Not that Dan is any slouch in the fox dept. either! :-) Big signals all around, sharp ops... If you're looking for a fox fix, go get these guys! Paul at about 7.037.5, working up 1+ KHz. Dan at about 7.041.5, working in a bit closer, up 0.5-1 KHz.

72/73,

Todd, AGOT

Date: Thu, 20 Dec 2001 22:13:22 -0500
From: Haines Brown <brownh@hartford-hwp.com>
To: k6qq@hdo.net
Cc: qrp-1@Lehigh.EDU
Subject: [115541] Re: Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <200112210313.fBL3DM108494@hartford-hwp.com>

Gloria,

OK, got the student filler. Too late tonight to do anything with it, and so will start with it Friday evening. So with a bit of luck will have hardcopy/diskette Sat am. Will keep you informed.

Haines

Date: Thu, 20 Dec 2001 22:14:55 -0500
From: "Mark J. Dulcey" <mark@buttery.org>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115542] Re: Tubes, Odds & Evens, Guinness
Message-ID: <3C22A92F.9030501@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Nick Kennedy wrote:

> On the subject of whether even harmonics sound better than odds, I said
> that they are all harmonically (musically) related so they're all good.
>
> On further discussion with K6QQ, I've changed my tune (pun intended). The
> evens are all octaves of a given note. The odds aren't.

Not quite true. The second, fourth, eighth, sixteenth, etc. harmonics (all powers of two) are octaves of the original note. But the other even harmonics are not. On the other hand, NO odd harmonic is an octave of the fundamental. This probably accounts for odd harmonic distortion

sounding worse than even harmonic distortion.

Some tube audio fans prefer single-ended amps over push-pull designs. A push-pull amplifier has inherently low levels of even harmonic distortion; the distortion is thus dominated by the bad-sounding odd ones. A single ended amplifier typically has higher total distortion, but most of it is the relatively benign second harmonic.

Date: Fri, 21 Dec 2001 03:17:42 +0000
From: Arthur Moe <kb7ww@uswest.net>
To: pwomble1@tampabay.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115543] Re: Fox- K4FB Thursday
Message-ID: <3C22A9D6.CC22B663@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul,

Thanks for digging out the weak one.

Art
KB7WW

Date: Thu, 20 Dec 2001 20:23:40 -0700
From: rfcdma@spinn.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115544] Thanks to the Foxes
Message-ID: <3C22AB3C.B434E641@spinn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Great job guys.
We had a pretty weak path but your good ears pulled it off.
Good job..... I love goin FAST!

72
WD7Z

Tijeras, NM

Date: Thu, 20 Dec 2001 22:31:38 EST
From: Dennisskea@aol.com
To: qrp-1@lehigh.edu
Subject: [115545] My two cents about straight keys
Message-ID: <135.699f499.2954071a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Every once in a while, I like to butt in to a thread. I've only been licensed 4 1/2 years, so that makes me a young'un. I'm 60 yrs old, so that makes me a crotchety old man. I am computer literate, but I never use a keyboard. I use bugs, paddles and straight keys. I also collect keys, have 86 of them in the collection right now, and 53 of them are straight keys, some new, some very old, all in working order, and all used on the air. I have the most fun using a straight key; I like to think it lets me put some "character" in my characters. FYI, there are still a couple of straight key manufacturers in business. CT Keys, North American Telegraph, GHD, Hi-Mound, JRC, Junker, LTA, Morse Express (he designs and sells stuff, real neat), Schurr, Soxman, Lennart Pettersson, Nye. I hope I haven't pulled W2AGN's chain. Well, actually, I hope I did.

72/73 Dennis KC2CCZ

Dennis P. Skea KC2CCZ
25 Argent Drive
Poughkeepsie, New York 12603
(845) 298 - 0951

Date: Thu, 20 Dec 2001 21:32:52 -0600
From: "Scott Holisky" <sholisky@tpt.org>
To: qrp-1@lehigh.edu
Subject: [115546] TT2: One more on the air!
Message-ID: <fc.000f548a00a4c0ae000f548a00a4c0ae.a4c0e4@tpt.org>
MIME-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I couldn't put it off any longer, ordered a TT2. What a nice kit, you guys really did a fine job.

First contact with Doc K0EVZ. Second with Fed WZ9B who was also using a

TT2 !

Keep an ear out for me...

Scott N0AR
Vadnais Heights, MN

Date: Thu, 20 Dec 2001 19:33:53 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115547] FOX: Paul still around 7.036???
Message-ID: <00e801c189d0\$50e25e60\$d29ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

all I hear is a QRO station around 7.036... and not hearing
Paul...band's a bit noisy out this way tonight. Not hearing any hounds
either...

Trev

Date: Thu, 20 Dec 2001 22:35:57 EST
From: Nv4t@aol.com
To: n8ie@woh.rr.com, qrp-1@lehigh.edu, fpqrp-1@mpna.com
Subject: [115548] Re: [fpqrp] Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <a4.1e565b0c.2954081d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Way to go Dan!!

p.s. I'm one of those dudes who used cathode key rigs for many years and I'm
still here!!!!!! You know, it's kinda like everything else today, no one is
responsible for themselves!!!I believe that we were smart enough to not stick
fingers across key terminals back then. Guess it's just part of the "dumbing
down"process in our society!

72 and 00 Bill NV4T, proud to have lived and

hammed through the tube era!!

Date: Thu, 20 Dec 2001 22:55:07 -0500
From: "Jerry McDermand" <mcdermand@att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [115549] [Elmer 101] VFO
Message-ID: <DMEFKBCOKNCJEB0FBMIGKEFFCLAA.mcdermand@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got the VFO completed last night and got to
check it tonight.
Showed some RF with the n5fc probe. (how much
are we looking for - do we care?)
She was singing at 5.161 on my general coverage
receiver - so I guess I am in the ball park?
I'll hook up the little Oak Hills freq counter to R16 tomorrow
and compare readings.

Hey - this is fun - thanks!!!!

Jerry
N4XZR
Gahanna, OH

Date: Fri, 21 Dec 2001 03:58:50 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115550] Bagged my first pelt of the Year!
Message-ID: <5.1.0.14.0.20011221035647.00ac1020@pop3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,
Wayne K9DI es Sequoia here. I'm doing a Happy Dance!!! I bagged
my first pelt of the year tonight!! Paul was 559 here in Illinois!! But
had to wait till almost the end to nail him. Thanks to all my Brutha
Piggies who didn't give up on me!!

72 es M00/00

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net

LICQ# 315313

FISTS# 4409

QRP-L# 2313

FPQRP-L# 217

SOC# 452

ARS # 1,082

Zombie # 800

<http://k9di.homestead.com/K9DIHam1.html>

Date: Thu, 20 Dec 2001 20:09:04 -0800

From: "Dave Fifield" <dave@redhotradio.com>

To: <vintage@vintage.best.vwh.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115551] Re: Measuring xtal power - Preaviso: Tube content

Message-ID: <002501c189d5\$3b1d4d60\$0200a8c0@pacbell.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Bob,

I measure power dissipation in crystals all the time as a part of my job. It's quite easy to do. You have to first measure the rms current flowing through the crystal by placing a very small known value resistor in series with it, say 1 Ohm. Then, using a sensitive differential a.c. voltmeter (e.g. good scope with a differential probe....not cheap!) you measure the V_{rms} across the resistor. $I_{rms} = V_{rms}/1 \text{ Ohm}$. Then, remove the 1 Ohm resistor again, restoring the circuit back to normal, and, using the differential a.c. voltmeter, measure the V_{rms} across the crystal terminals. Power dissipated in the crystal is approximately $P_d = V_{rms} \times I_{rms}$. That's it.

Cheers es 72,

Dave F.

AD6A

----- Original Message -----

From: "Bob Okas" <vintage@vintage.best.vwh.net>
Subject: Measuring xtal power - Preaviso: Tube content
(snip) The concern is avoiding the destruction of the crystal. Typical
maximum drive power for HC49/U crystals is 5-10mW. How to measure this?
(snip)

Date: Thu, 20 Dec 2001 20:09:00 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115552] Doing the Happy Dance!!!
Message-ID: <011001c189d5\$38b04500\$d29ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Think I bagged both Foxii tonight! Both were well above my CW ability,
but the exchange is pretty easy to hear. Did have some noise trouble
tonight though as it's raining and the power lines are going nuts Hi!
Right after my exchange with Paul I got a burst of noise, so I hope he
got me ok. Was a lot of fun though! Thanks to both Foxii tonight, I can
only strive harder to get my CW skills to that level, but it's very
inspiring to hear all of the fine ops on during the hunt!

Best 72/73's
Trev
KG6CYN

Date: Thu, 20 Dec 2001 22:23:46 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: IamSF5@aol.com
Cc: qrp-l@lehigh.edu
Subject: [115553] Re: Power problem with NC-20 need help Please
Message-ID: <3.0.6.32.20011220222346.007a9900@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bob,

I've noted that some NC-20's tend to oscillate. Best cure is to turn the
low pass filter toroids at right angles to the way they are shown on the

board. Apparently in some cases, with the LPF toroids and the Tx band pass filter toroids broad side to each other, there can be enough coupling to cause oscillations, despite the fact they are a good inch apart and toroids are "supposed" to be self shielding! Arranging the LPF toroids so that they are at right angles to the Tx BPF toroids reduces this coupling and generally solves the problem.

Also make sure the Tx band pass filter is properly peaked. It's easy to have it miss tuned and compound the problem. Using a scope is best to make sure they are peaked where they are supposed to be.

I spent hours on one NC-20 adding and changing by-pass caps to no avail, until someone told me of this trick!

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 20 Dec 2001 22:52:57 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [115554] Re: DDS VFO kit ?
Message-ID: <3.0.6.32.20011220225257.007aa920@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>There isn't even a low pass filter on the output! At least with that you
>
WHAT! NO LOW PASS FILTER!

You gotta have a LPF on one of these for it to work properly! The output of a DDS does not look anything like a sine wave until it's put through a LPF. You gotta have a LPF to intergrate the output of the DAC. If there is no mention of this in the article, both the author and the editors of QST need to have thier nuckles smacked! That's a serious oversight and a hanging offence! I'm a big fan of DDS and hate to have people think their no good because someone forgot to include a low pass filter!

>go above 30% of the clock frequency to generate your output, and with a
>50 MHz clock that translates to 15 MHz. The article in QST stated 20
>MHz, and I think you are getting a bit to close to the nyquist frequency

20 Mhz is pushing it, especially WITH NO LPF! At a minimum, it requires a 7 pole elliptical filter, with a roll off starting at something less than 20 MHz to clean up the output. I would have limited it to 18.5 MHz, so as to include the 17M band for transmitting, but no higher.

As for in band spurs, the 9835 isn't all that bad and I've use that chip (with a proper LPF!) in many a rig and the spurs are either not noticable or a minor annoyance.

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 20 Dec 2001 21:14:54 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [115555] Guinness a Triode, not a Diode
Message-ID: <B848054E.FD9B%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Well I apologise for mistaking Guinness for a diode (1N) rather than a triode (2N). And me an improper Irishman and all. Lots of people leave out the "e" in my name. But not in the British Isles.

So far only two QRP-Lers admit to not viewing the list on a vacuum tube. I will pay off when I visit a Hamfest near you. Tap me on the shoulder. -
Duffey

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Thu, 20 Dec 2001 23:18:15 -0500
From: larrykosch@glasscity.com
To: qrp-l@lehigh.edu
Subject: [115556] 160 m ft-243 xtals
Message-ID: <5.0.0.25.1.20011220231031.009f3290@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gand I have 6 160 mtr xtals for sale...
5 are PR rocks and 1 surplus...Will ship
in the US 48 for money order for \$40.00..
Sell as a set only...Freqs are
1810---1812---1820---1886---1895---1915
Will also put in 3 extra FT-243 holders
If you have a old xtal that needs a home...
Thanks-Larry-K8EJU

Date: Thu, 20 Dec 2001 23:51:00 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <qrp-l@Lehigh.EDU>
Subject: [115557] Fw: TX Keying
Message-ID: <096201c189db\$16af12a0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> What keying circuit did Marconi and the Titanic Use?
> Trivia: Marconi was an Electrical Engineer (T) (F)
> Marconi was a Nobel Laureate (T) (F)
> If he was what year, did he get the award (1899) (1905) (1909) (1915)
> Hint: He lived from: 1874-1937
> Thank you. 73, Ron, W2WU

> ----- Original Message -----
> From: Brice D. Hornback <bdh@cyberbound.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Thursday, December 20, 2001 7:13 PM
> Subject: Re: Cathode keying voltage?
>
>
> > Could that be the real reason for the "dust covers" on some keys?
> >
> > 73/72/71! de Brice KA8MAV
> >
> > > One of my hand keys had an arrangement that kept the moving piece
> > insulated
> > > from the circuit--that saved me quite a few shocks.
> >
> >

>
>

Date: Thu, 20 Dec 2001 21:53:15 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [115558] The Real (QRP) Ed Hare
Message-ID: <B8480E4A.FDC8%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The picture on the ARRL web page is of the RFI Ed Hare. Don't be fooled. For the real (QRP) Ed Hare (Hair) look at page 2 of "QRP Classics".

Can somebody at the ARRL see that the picture of the QRP Ed Hare gets posted on the web site? - Dr. Megacycle KK6MC/5 "Radio Green Chile"

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Fri, 21 Dec 2001 00:04:02 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>, Foxii <qfox@egroups.com>
Subject: [115559] Fox report: K4FB
Message-ID: <3C22C2C2.CA8DC37F@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

117 hounds in the log. WR50 was numero uno tonight.

At the opening bell there were so many strong signals that picking out calls was not easy. The band was in great shape...almost too good. I had to work around the edges of the pile...and most of the time it was the weaker signals that were easier to copy.

At 0300z I had 72 hounds in the log. Was hoping to continue that rate for the last hour...but it was not too be. The band went long. A UT2 starting CQing right where I was listening...and he was louder than most of the hounds at that point. I went up there simplex and told him the freq was in use. I didn't hear him again...but fellow Swamp Rat AF4PS

claims to have worked him in the middle of the pack.

The last 30 minutes was pretty slow...there were still several stations calling, but the noise was just a bit louder. Sorry if I could not pull you out.

The pack had excellent manors. I appreciate that.

Log out tomorrow.

Cudos to Wayne K9DI for getting his pelt tonight.

73

Paul K4FB

Date: Thu, 20 Dec 2001 23:39:29 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [115560] Re: Heath QF-1
Message-ID: <3.0.6.32.20011220233929.007a58d0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Heathkit Q mult sold in about 10 nanoseconds!
Could have sold dozen!
Actually, it turns out I have a HD-11 Q-mulitplier, latter model I would think.

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 21 Dec 2001 01:36:05 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [115561] HB Antennas question
Message-ID: <5.0.2.1.0.20011220232508.00ab4da0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just finished the lawn chair 6 Meter antenna from the latest QST....haven't tuned it yet.
The old chair was a real bear to get apart. The 4 inch Makita grinder got a real workout! It makes a really stout antenna and hopefully will fulfill my goal to get on 6 Meters.
It looks like it would make a great driven element for a directional antenna, sort of a 6M cubical quad. I need to do some homework on this. I was curious whether any of the gang has experimented with this antenna and am open to ideas about directional elements.
A bit cold here so have plenty of time to work this out altho I realize that foul weather and antenna work seem to go together.:-)
73 to All
Pete NV4V

Date: Thu, 20 Dec 2001 23:38:01 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115562] Re: [azqrp] Tube Rigs and Contests?
Message-ID: <001901c189f2\$6c36b4a0\$5cfbb3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Over on the glowbugs list it seems like almost everybody (but me!) has a 6T9 rig in their past. And you can still get the tube for only a couple of bucks. If you don't want to try and find the 12-pin socket there are plenty of 9-pin possibilities, e.g. 6GV8, 6GW8, 6HZ8.

73,
Mike, KK6GM

----- Original Message -----
From: "Tayloe Dan-P26412" <Dan.Tayloe@motorola.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, December 20, 2001 7:44 AM
Subject: RE: [azqrp] Tube Rigs and Contests?

> One of these days I intend to do this. My first two rigs were an HW-7 and a homebrew 10w (5w output?) single tube rig out of one of the ARRL

publications (Understanding Amateur Radio?). It used a rather uncommon dual tube, a 6T9. I worked a lot of 80/40m stations with that transmitter, and often used it in portable operations using a small 12v-110v inverter.

>

> I want to rebuild it again using solid state VFO as a driver simply because a glowing tube bring back a lot of nostalgia.

>

> Lots of fun!

>

> - Dan, N7VE

>

> > -----Original Message-----

> > From: Brian Kassel [mailto:bkassel@dancris.com]

> > Sent: Thursday, December 20, 2001 8:28 AM

> > To: QRP-L; azqrp

> > Subject: [azqrp] Tube Rigs and Contests?

> >

> >

> > Folksii:

> >

> > As an adjunct to the plethora of tube QRP messages of late, has
> > anyone done any contesting with tube rigs recently? I happen to be the
> > author of the National Contest Journal's column "Contesting for Fun",
> > and am developing material for a future column based on the idea of
> > Working contests with a tube rig, home brew or not. Amazingly I have
> > received more than a few ideas from folks who have actually
> > done this.

> >

> > If anyone has actually done this, or is perhaps thinking of doing
> > it, please let em know. If your reply pertains to QRP, then you might
> > want to consider copying this list, if not QRP then just reply to me
> > personally if you would.

> >

> > Brian K7RE

> >

>

> > -----Original Message-----

> > From: Brian Kassel [mailto:bkassel@dancris.com]

> > Sent: Thursday, December 20, 2001 8:28 AM

> > To: QRP-L; azqrp

> > Subject: [azqrp] Tube Rigs and Contests?

> >

> >

> > Folksii:

> >

> > As an adjunct to the plethora of tube QRP messages of late, has
> > anyone done any contesting with tube rigs recently? I happen to be the
> > author of the National Contest Journal's column "Contesting for Fun",

> > and am developing material for a future column based on the idea of
> > Working contests with a tube rig, home brew or not. Amazingly I have
> > received more than a few ideas from folks who have actually
> > done this.
> >
> > If anyone has actually done this, or is perhaps thinking of doing
> > it, please let em know. If your reply pertains to QRP, then you might
> > want to consider copying this list, if not QRP then just reply to me
> > personally if you would.
> >
> > Brian K7RE
> >

Date: Fri, 21 Dec 2001 08:24:40 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [115563] Objections!
Message-ID: <F1804KWiGtXsL1c00go0000aed4@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hey,

If anyone asks me (and they didn't) I object to all the objections about the objections to the objections! And while I am at it, I object to not being asked either to object or not object to the aforementioned objections (in regards to the objections and/or objections to the objections)! I hope that I have made my objections perfectly clear on where I stand vis-a-vis the objections. And if anyone takes objection to what I just posted, well, your objections have been noted and I will objectively study them prior to objecting them or not.

72 es oo

Dennis - WB0WAO

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Fri, 21 Dec 2001 03:29:54 -0500

From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115564] Re: TT2: One more on the air!
Message-ID: <5.0.2.1.0.20011221022926.00ad1820@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

That's great Scott!

2 TT2-TT2 QSOs here so far, one was with Doc.. Also worked W1RFI while he was running the original but that was before I built one. I'll be on SKN with mine and with

either a J-37 or a no -name straight key from a code practice set.

SKN is a fun event with (IMHO) a neat side effect in that it reminds me why I use paddles the rest of the year.HI!

The TT2 kit was really a wonderful effort by Jay and many others!

I received an E-mail question from a guy having chirp problems but no such problems here. I suspect that a stiff battery supply here has something to do with

that.

I'll be looking for you.!

73 Pete NV4V KY

at 09:32 PM 12/20/2001 -0600, Scott Holisky wrote:

>I couldn't put it off any longer, ordered a TT2. What a nice kit, you guys
>really did a fine job.

>

>First contact with Doc K0EVZ. Second with Fed WZ9B who was also using a
>TT2 !

>

>Keep an ear out for me...

>

>Scott N0AR

>Vadnais Heights, MN

Date: Fri, 21 Dec 2001 01:09:15 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115565] TT2 Kits needed before the 25th
Message-ID: <000901c189ff\$2ac4f060\$d29ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not sure who to contact on the latest TT2 Kits, but could I get 3 of them before the 25th???

72/73's
Trev
KG6CYN

Date: Fri, 21 Dec 2001 05:45:32 -0500
From: Steve Baker <k8pz@earthlink.net>
To: bdh@cyberbound.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115566] Re: Cathode keying voltage?
Message-ID: <3C2312CC.7080904@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Actually, if you wire your key correctly (a 50-50 chance), the moving parts are at 'ground' potential. The stationary, lower contact is wired to the cathode and is relatively hard to come into contact with. Unless, of course, you are really fondling your key! (I don't wanna know). I know there are exceptions, spring contact for the shorting switch, the bare copper strap routed inside the base of a J-38 to the stationary contact etc. I can say that in 35 yrs. of cathode keying various rigs, I've never been bitten by my key. That dang knife switch I used to use for antenna change over got me a couple of times though.....

72 .. Steve

Brice D. Hornback wrote:

>Could that be the real reason for the "dust covers" on some keys?
>
>73/72/71! de Brice KA8MAV
>
>>One of my hand keys had an arrangement that kept the moving piece
>>
>insulated
>
>>from the circuit--that saved me quite a few shocks.
>>

Date: Fri, 21 Dec 2001 06:29:43 -0500
From: Bill <w2eb@twcnny.rr.com>
To: qrp-1@lehigh.edu
Subject: [115567] Re: HB Antennas question
Message-ID: <3C231D27.6E1C42B6@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pete,

This looks suspiciously like a "Squalo" antenna turned on end. Try searching for either a "Squalo", or "Halo" antenna. There's alot of info out there about them. I played with them a while ago, but found their bandwidth to be quite narrow and picky with respect to nearby objects.

73,

Bill
W2EB

Pete Burbank wrote:

> Just finished the lawn chair 6 Meter antenna from the latest QST...<SNIP>
> It looks like it would make a great driven element for a directional
> antenna, sort of a 6M
> cubical quad. I need to do some homework on this. I was curious whether
> any of the
> gang has experimented with this antenna and am open to ideas about directional
> elements.
>
> 73 to All
> Pete NV4V

Date: Fri, 21 Dec 2001 07:01:41 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [115568] RE: Bagged my first pelt of the Year!
Message-ID: <000101c18a17\$40c4ba40\$0300a8c0@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Way to go Wayne! You are Da Man!

72, oo

Dan, N8IE your Brutha Piggie!

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Dragon Singer

Sent: Thursday, December 20, 2001 10:59 PM

To: Low Power Amateur Radio Discussion

Subject: Bagged my first pelt of the Year!

Hi Gang,

Wayne K9DI es Sequoia here. I'm doing a Happy Dance!!! I bagged
my first pelt of the year tonight!! Paul was 559 here in Illinois!! But
had to wait till almost the end to nail him. Thanks to all my Brutha
Piggies who didn't give up on me!!

72 es M00/00

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net

LICQ# 315313

FISTS# 4409

QRP-L# 2313

FPQRP-L# 217

SOC# 452

ARS # 1,082

Zombie # 800

<http://k9di.homestead.com/K9DIHam1.html>

Date: Fri, 21 Dec 2001 05:29:32 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Dennis Ponsness <wb0wao@hotmail.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [115569] Re: Objections!

Message-ID: <Pine.LNX.4.33.0112210527060.2004-100000@Daisy.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I object to your objections because they are OT objections and not so noted! You have a perfect right to object but must follow object rules. So please take these objections for what they are worth.

On Fri, 21 Dec 2001, Dennis Ponsness wrote:

> Hey,
> If anyone asks me (and they didn't) I object to all the objections about
> the objections to the objections! And while I am at it, I object to not
> being asked either to object or not object to the aforementioned objections
> (in regards to the objections and/or objections to the objections)! I hope
> that I have made my objections perfectly clear on where I stand vis-a-vis
> the objections. And if anyone takes objection to what I just posted, well,
> your objections have been noted and I will objectively study them prior to
> objecting them or not.

>

> 72 es oo

>

> Dennis - WBOWAO

>

>

>

>

> -----
> Join the world s largest e-mail service with MSN Hotmail.

> <http://www.hotmail.com>

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Fri, 21 Dec 2001 07:40:56 EST
From: IamSF5@aol.com
To: qrp-L@lehigh.edu
Subject: [115570] OT FS Lap top
Message-ID: <d.1f6638d0.295487d8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

FS

Toshiba Lap Top Satelllite Pro 430 CDT 120 MHZ (MINT CONDITION)

1.3 G HD

32 Megs of RAM.

10-X CD

External "A" drive

Hayes 28.8 Modem.

Has ports on the rear for printer,external monitor,modem,etc.

Price -----\$275 + shipping.

Please E mail direct.

Thanks Bob

WA2HOQrp <tm>

Date: Fri, 21 Dec 2001 07:53:46 -0500

From: "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>

To: QRP News group <qrp-1@Lehigh.EDU>

Subject: [115571] FW: [RCSE] Chrystal Identification

Message-ID: <0D6CE218BF54D211B37F00E0292657F40B0066A5@susdayte03.daytonoh.ncr.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

I got this from a friend and have some ideas but I thought I would throw it out to some real 'sperts and see how close I was. Kent would like to know how to identify some crystal frequencies. The markings on the crystals follow.

72 de Ron, N8VAR

-----Original Message-----

From: Kent Miller [mailto:ckmiller@ix.netcom.com]

Sent: Thursday, December 20, 2001 3:56 PM

To: Soaring@airage.com

Subject: [RCSE] Chrystal Identification

Happy Holidays All,

I need some help identifiying some receiver crystals. If anyone can help, it would be most appreciated. Here are markings on the crystals. The following are:

1. H R F
72.210
SS-9411

2. RXQTM72-59
SIWARD

3. 72R4300 on the top it says RX32
61.730000
ICM/DAD
9544

Regards,

Kent Miller

>From Gilroy, Ca " Garlic Capitol of the World "

RCSE-List facilities provided by Model Airplane News. Send "subscribe" and "unsubscribe" requests to soaring-request@airage.com

Date: Fri, 21 Dec 2001 08:35:40 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [115572] Re: tubes sound better?
Message-ID: <3C233AAC.B82C54A9@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SO, George, you were ahead of your time! I still stand by my statement, none of the commercial rigs that I ever heard of, and also the military rigs too, used grid block keying until the 60's. You should have patented it!

73

Date: Fri, 21 Dec 2001 08:49:49 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "pigs" <fpqrp-1@mpna.com>
Subject: [115573] Re: Bagged my first pelt of the Year!

Message-ID: <00aa01c18a26\$5c599690\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wayne,

That's incredible! Isn't it a rush? It's really exciting to capture the little critter. Fox hunting is a lot like golf. Just about the time you're ready to throw your radio or clubs in the trash, you make a beautiful shot and all of a sudden it's like a whole new day has dawned!

GUD JOB OM, UR VY FB HUNTER!

73 es 00 de KB9BVN

----- Original Message -----

From: "Dragon Singer" <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, December 20, 2001 10:58 PM
Subject: Bagged my first pelt of the Year!

> Hi Gang,
> Wayne K9DI es Sequoia here. I'm doing a Happy Dance!!! I bagged
> my first pelt of the year tonight!! Paul was 559 here in Illinois!! But
> had to wait till almost the end to nail him. Thanks to all my Brutha
> Piggies who didn't give up on me!!
> 72 es M00/00
>
> Respectfully and Sincerely Yours,
>
> Wayne M. Scace
>
> k9di@arrl.net
> LICQ# 315313
> FISTS# 4409
> QRP-L# 2313
> FPQRP-L# 217
> SOC# 452
> ARS # 1,082
> Zombie # 800
> <http://k9di.homestead.com/K9DIHam1.html>
>
>

Date: Fri, 21 Dec 2001 09:33:24 -0500
From: "Tom Curtola" <tcurtola@rogers.com>
To: <Nv4t@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115574] Dumbing Down Process
Message-ID: <00b601c18a2c\$72d2db60\$0f316618@yec.phub.net.cable.rogers.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think we should remove all safety lock-outs, guardrails, elevator doors, salt on ice, overly cautious cross walks, caution don't climb! High-Voltage-Danger signs, cigarette warnings, alcohol warnings, etc. etc. (Then kill the lawyers) This will allow us to "thin the herd" so to speak and possibly prevent dummies from breeding more dummies. Imagine how much the "smarting-up" process would benefit humankind. ;-) wink wink

God Bless Darwin!

Tom Curtola
VA3TY
tcurtola@rogers.com

Bill Said:

> I'm one of those dudes who used cathode key rigs for many years and I'm
> still here!!!!!! You know, it's kinda like everything else today, no one
is
> responsible for themselves!!!I believe that we were smart enough to not
stick
> fingers across key terminals back then. Guess it's just part of the
"dumbing
> down"process in our society!
>
> 72 and 00 Bill NV4T, proud to have lived and
> hammed through the tube era!!

Date: Fri, 21 Dec 2001 09:52:45 -0500

From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [115575] LTA key..... :)
Message-ID: <001801c18a2f\$26830020\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!!

Been using the LTA mini key model GMP for about a week now. I like it but I'm a bit slow hihi !!
Been using a keyboard for about 8 yrs so using a key is a bit different. I guess I got it adjusted right ??? Did some work with it in the 10 meter Test with some very patient U.S.A stations (tnx guys !!!) Great speed of service from Marshall and Morse Express !!! (usual disclaimer) !!!

72s and Happy Holidays !!!!!

George Osier , N2JNZ / QRPp

Date: Fri, 21 Dec 2001 09:54:48 -0500
From: "Kwik, Ed " <ed.kwik@delphiauto.com>
To: "'tracy@bytemark.com'" <tracy@bytemark.com>,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115576] RE: testing crystal finters
Message-ID:
<9F176F70FD71AC48AFC36F879D2B84E38F3630@tryexch01.NorthAmerica.DelphiAuto.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

How about using a broadband noise source like the new RX noise bridge, a simple diode detector, into a computer running spectrogram?

NOISE		DIODE	COMPUTER
SOURCE	-->	FILTER	-->
		DETECTOR	==>
			RUNNING
			SPECTROGRAM

Ed AB8DF

-----Original Message-----
From: Tracy Markham [mailto:tracy@bytemark.com]
Sent: Thursday, December 20, 2001 5:11 PM
To: Low Power Amateur Radio Discussion

Subject: testing crystal filters

This is the most active I've ever been on this list!! Great threads this week ...

I have had in my possession for several (10+) years a pair of KVG 9 MHz crystal filters. They are expensive buggers, even back then at >\$125 each. I have one XF9A and one XF9B.

I'm sure that their performance does not deteriorate much over the years, but they've been packed, shipped, packed, shipped, everywhere I've gone.

I want to build a little test jig to see if they still meet specs, or function well enough, but I really have no clue how to go about it. I figured I'd build a fixture with a little match network to feed it and terminate it properly. But, all I can figure to do is use a circuit out of a receiver that matched the 500 ohm impedance to 50 ohms like in the Progressive Receiver by W7ZOI, and terminate it with a 500 ohm resistor.

Is this a good idea?? I figured I'd use my DDS card to sweep the filter from say 8.5 to 9.5 MHz, and look at the termination with a scope. My shop has a 100 MHz scope I can use to look at the output.

Questions are, is my idea right, is there a better, or an easier way to match to it, and what would be a good test if I didn't have a scope.

I did build the progressive receiver by Wes, and it was great - but that was years ago. Then I used the IF amp from that project and the product detector minus audio amps from basically a mini R1, into a sound blaster for a little computer controlled rig. That was fun too.

But all that was years ago and I'd like to see if the filters are still good, and learn a bit about the process in the mean time.

Thanks!!

Tracy N4LGH

Date: Fri, 21 Dec 2001 09:23:48 -0600
From: "George, W5YR" <w5yr@att.net>
To: k8pz@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115577] Re: Cathode keying voltage?
Message-ID: <3C235404.21A053EF@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Absolutely right, Steve - you can "minimize" the danger but you can't eliminate it as long as the key is connected directly in the cathode circuit. Fortunately, the tube with the open cathode circuit is a pretty high impedance so little current can flow, but virtually the entire B+ voltage appears across the open key contacts. Most folks don't stick around long enough to find out what effects the current has! <:}

You have been very wise to be careful how you wired your keys.

The problem I always found with straight cathode keying, besides the shock aspect, was the relative difficulty of shaping the keying appropriately. I got around that with my early homebrew rigs by using the "electronic switch keyer" that appeared in the Handbooks for so many years prior to and even after WW2. The one using four 45's in parallel to carry the switch cathode current, and grid-block keying of the grids to control and shape the keying. Worked like a hose . . .

Of course, nowadays rigs like the PRO do all the keying and shaping with microprocessors, etc. Kinda takes the fun out of it, but the results are wonderful!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Steve Baker wrote:

>
> Actually, if you wire your key correctly (a 50-50 chance), the moving
> parts are at 'ground' potential. The stationary, lower contact is wired
> to the cathode and is relatively hard to come into contact with. Unless,
> of course, you are really fondling your key! (I don't wanna know). I
> know there are exceptions, spring contact for the shorting switch, the
> bare copper strap routed inside the base of a J-38 to the stationary
> contact etc. I can say that in 35 yrs. of cathode keying various rigs,
> I've never been bitten by my key. That dang knife switch I used to use
> for antenna change over got me a couple of times though.....
> 72 .. Steve

Date: Fri, 21 Dec 2001 09:26:43 -0600

From: "George, W5YR" <w5yr@att.net>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115578] Re: tubes sound better?
Message-ID: <3C2354B3.99CE8748@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hard to do, Bruce, since the circuit was in the Hanbook as far back as the mid-30's!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Bruce Muscolino wrote:

>
> SO, George, you were ahead of your time! I still stand by my statement,
> none of the commercial rigs that I ever heard of, and also the military
> rigs too, used grid block keying until the 60's. You should have
> patented it!

Date: Fri, 21 Dec 2001 09:37:34 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Cc: "'tracy@bytemark.com'" <tracy@bytemark.com>
Subject: [115579] RE: testing crystal finters
Message-ID: <01C18A03.1F5E6720.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

This kinda parallels the crystal testing discussions we got into recently regarding the cheap crystals from Goldmine. I'm fixin' (Arkansas talk) to do something similar myself ...

You can get some good ideas by reading the crystal testing addenda in QRP Power and/or W1FB's Design Notebook, especially the latter. It gives W7ZOI's original discussion and circuits and then W1FB's integration of them into one board (available from FAR).

But you wanna use what you've already got, right? ... or build something with general usefulness. I'm just finishing up a meter called "The Microwatter" that was described in June 1997's QST. It will read power down in the microwatt range calibrated in dbm. Didn't know why I wanted one at the time, but it was too cool not to do. But if you snooze you lose, right? This year in QST there was a simpler, cheaper and more accurate meter that will go down to -70 dbm and with an adapter, all the way up to 100 watts (+50 dbm, right?). It's only \$40 including nice boxes to put it in (supply your own meter movement) from Kanga.

I'm rambling ... I'd think you'd use your DDS, go through an attenuator with output R matching your filter's characteristic impedance, then another attenuator between the filter and the sensitive log power meter. Then you oughta just be able to step your DDS through the passband and plot the response in dB.

If I understand it correctly, all these attenuators on the input and output not only prevent overpowering the device (in the case of a crystal, at least), but more importantly, they swamp out any potential mismatches on the source and meter end. Of course, you'd want to try to match them to the extent possible anyway. You should be able to do that as part of your attenuator design, or by using transformers.

Sounds like fun.

I don't have a DDS or other stable signal generator at the moment (just some boatanchor signal generators), so I'm gonna use a VXO as the source. As I'm testing a batch of crystals, one of them will go into the VXO which is being pulled around +/- 1 kHz with a pot and varactor. For crystal testing, that should be plenty of span. For a filter, or course it wouldn't.

More when I actually get some meaningful results.

72--Nick, WA5BDU

Ed AB8DF

-----Original Message-----

From: Tracy Markham [mailto:tracy@bytemark.com]
Sent: Thursday, December 20, 2001 5:11 PM
To: Low Power Amateur Radio Discussion
Subject: testing crystal filters

I want to build a little test jig to see if they still meet specs, or function well enough, but I really have no clue how to go about it. I

figured I'd build a fixture with a little match network to feed it and terminate it properly.

Date: Fri, 21 Dec 2001 11:00:33 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115580] Re: Questions about BLT
Message-ID: <00ae01c18a38\$9ffc5380\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Group -

I'm having a devil of a time changing the line cord on a Tektronix 453. It shouldn't be hard, right? Just three wires, and they are all different colors... Well, anyway, now it just blows fuses instantly. Is there some sort of common problem such as wires slipping out of the ceramic holders that I may be blundering through? Has anybody got a skeleton lying around who could verify where the white and black wires are connected? (It is tough to realize that I may have "forgotten" or become "confused" during the 45 seconds between removing the old and installing the new. WRONG!)

BTW, getting the strain relief off the original cord was the easy part, surprisingly. Although during the process I managed to misplace the small piece of sheet metal with the strain relief hole in it...

This hobby was a lot easier when I didn't need magnifying glasses and halogen lights to see stuff.

73 de Lee
km4yy

You can get a lot more done with a kind word and a gun, than with a kind word alone.

--Al Capone

Date: Fri, 21 Dec 2001 08:59:08 -0700
From: "Steve Thompson" <steve@xcvr.com>
To: <netxqrp@qth.net>

Cc: <qrp-1@lehigh.edu>
Subject: [115581] OT: Wireless Video
Message-ID: <200112210859.AA261357788@xcvr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Some of the cutting edge technology in the computing arena is pretty neat ...

http://news.cnet.com/news/0-1005-200-8246451.html?tag=mn_hd

... but I imagine wireless video can take up a lot of bandwidth, and raise the noise floor in the shack. It will be interesting to see if this stuff can peacefully cohabit with Amateur Radio gear :^)

72,
Steve N7TX
Irving, TX

Date: Fri, 21 Dec 2001 10:39:36 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: "Kwik, Ed " <ed.kwik@delphiauto.com>
Cc: <qrp-1@lehigh.edu>
Subject: [115582] Re: testing crystal finters
Message-ID: <000e01c18a4e\$d7f19320\$7b56d03f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed-

Sure thing- a good application!

You'll want to terminate both the source and load ends of the filter in its characteristic impedance. Assuming that both the noise bridge and receiver are relatively low impedances in relationship to the filter itself, a series resistor at each end of the filter would be sufficient for non-critical measurements.

Not sure about that diode detector- perhaps an alternate approach uses an SA612 with its local oscillator tuned slightly off to one side of the passband. This would be done with an extra IF filter crystal with perhaps 5-10 pF in series- this 'pulls' the LO a KHz or two above the filter passband. The SA612 output then has audio output which would be observable on Spectrogram.

73- Dave, K1SWL

-----Original Message-----

From: Kwik, Ed <ed.kwik@delphiauto.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, December 21, 2001 6:57 AM
Subject: RE: testing crystal finters

How about using a broadband noise source like the new RX noise bridge, a simple diode detector, into a computer running spectrogram?

.....<snip>

Date: Fri, 21 Dec 2001 10:51:30 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
 <fpqrp-l@fpqrp.com>
Subject: [115583] XTALs for FREE sort-of
Message-ID: <001a01c18a37\$5c33fd70\$5b1b4e0c@eguys.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Speakin of xtals like the 13.5 MHz...
I recently got my hands onto 500 pieces of 8.00 MHz in a HU49 can.
They are FREE to anyone that wants a matched set.
All I ask is that we find a volunteer to match/sort them
and another volunteer to ship them (i dont have the time).
Total cost should be about \$1.00 for shipping in a padded envelope.
I'm sure these could be sorted into MANY matched sets of 4,5,6 or 7 xtals.

Any takers?

72 & 'oo' Diz, W8DIZ

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, December 21, 2001 10:37 AM
Subject: RE: testing crystal finters

> This kinda parallels the crystal testing discussions we got into recently
> regarding the cheap crystals from Goldmine. I'm fixin' (Arkansas talk) to
> do something similar myself ...
>
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> them into one board (available from FAR).
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> accurate meter that will go down to -70 dbm and with an adapter, all the
> way up to 100 watts (+50 dbm, right?). It's only \$40 including nice boxes
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> is being pulled around +/- 1 kHz with a pot and varactor. For crystal
> testing, that should be plenty of span. For a filter, or course it
> wouldn't.
>
> More when I actually get some meaningful results.
>
> 72--Nick, WA5BDU
>

>
> Ed AB8DF
> -----Original Message-----
> From: Tracy Markham [mailto:tracy@bytemark.com]
> Sent: Thursday, December 20, 2001 5:11 PM
> To: Low Power Amateur Radio Discussion
> Subject: testing crystal filters
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> I want to build a little test jig to see if they still meet specs, or
> function well enough, but I really have no clue how to go about it. I
> figured I'd build a fixture with a little match network to feed it and
> terminate it properly.
>

Date: Fri, 21 Dec 2001 10:51:24 -0400
From: inforhc <inforhc@ip.etecsa.cu>
To: Bill Meara <n2cqr@clix.pt>
Cc: qrp-L@lehigh.edu
Subject: [115584] Re: Islanders on DSB
Message-ID: <UTZW84GBDAU0433Z2XPOA653VQTQB0UR.3c234c6c@user>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear amigo Bill:

I followed your quest to design and build the 17 meter DSB rig !!!

Islanders owners talk to each other very well on the three bands that the rig was designed to work, 160 , 80 and 40 meters.

The Islander normally is built as a single band unit, and the classic is the 40 meters

version.

We have also designed and produced the Jaguey, a solid state "variation" of the Islander that took a lot of ideas from Wes Hayward W7ZOI in Solid State for the Radio Amateur Handbook.

The "classic" Islander is a bit of a hybrid, as it uses a cascode transistor RF amplifier

stage following the balanced modulator.

Here is the "classic" Islander line up

TX audio: an amplified ceramic microphone element used by the German telephones built

in the GDR. These are fed with + 4 to +6 volts and have a built in pre-amp and low

impedance output. Later ones had a nice also built in audio compressor IC

Balanced Modulator : Two or four germanium video detector diodes, or high speed switching computer diodes

DSB signal amplifier: cascode made from Russian transistors that are something like a

higher gain 2N2222 (uses two of those, and the collector of the second one is tuned with a ferrite core slug tuned coil (rather broadbanded)

Driver stage: typically something like a 6AG7, Russian equivalent is 6P9, very nice as it is

already shielded ! We also use EL83, EL84, and when found 12BY7

Final amplifier stage: 2E26, 6146, 6DQ6 etc etc, with PI network output stage A relay to switch the antenna from TX to RX

VFO : 6AH6 tube (the Russian equivalent of it) oscillating in the grid circuit on 3500 to 3575 kHz

and doubling on the plate circuit to 7000 to 7150 kHz

Output coil is coupled via low impedance link to balanced modulator , and to pentagrid mixer tube

Receiver RF amplifier : An RF pentode with double tuned input bandpass input circuit, and two

attenuators (one RF gain 1 to 5 kilo-ohms at the antenna input) and the other in the cathode

of the RF amp stage in the classic circuit that introduces + DC to the cathode to achieve gain control

Detector: Pentagrid 6BE6 tube or triode hexode ECH81

Receiver audio: triode pentode like ECL82, ECL84 etc, also have used 6AU6 to 6V6 and similar arrangements

Power supply , all solid state:

Later versions feed regulated DC from a 7805 plus diode or 7806 to the filaments of the VFO and the detector tubes !!! (hum goes down)

Voltages are +150 volts regulated, +225 volts and between +400 and +600 for the final

minus 150 volts for blocking the grids as required, and -50 volts bias for the output stage

LATER VERSION: Uses a three transistor solid state VFO plus a doubler and amplifier (never use the VFO on the output frequency because you will have a lot of problems !!!)

STILL LATER VERSION : Uses heterodyne VFO, with a 4 megaHertz crystal and the VFO from 3000 to 3150 kHz.... this one is absolutely the best... When properly tuned and aligned, no one knows that you are on DSB and the newbies here work a lot of DX with them !!!

Extensive shielding used as required by RF circuits !!!

I am now in the process of gathering the parts to assemble two more of the

ISLANDER III rigs, one for a retired physician friend of mine and the other one as a DEMO unit to keep in my shack .

We have found locally a source of excellent 90 to 1 reduction drives, similar to those used by Kenwood in the TS820 rigs for the VFO.

Dial calibration is analog.

NO ATTEMPT is made to miniaturize the ISLANDER, and if you use the tube VFO, it is important to place the grid coil away from the tube to avoid heat effects . Solid state VFO should be extremely well shielded to avoid FMing caused by RF getting into the VFO.

AH ! Before I forget, latest version of VFO uses a FET in the oscillator stage

Hope you find this useful... this is a very practical transceiver for newcomers built with the locally available materials.

SEASONS GREETINGS and HAPPY 2002 to you and your family

73 and DX

Your friend in Havana

Arnie Coro

C02KK

21/12/01 8:05:04, Bill Meara <n2cqr@clix.pt> wrote:

>Arnie: I like your show and the web page. I'm running a DSB rig on 17
>meters.

>

>I'm wondering if the Islander users in Cuba are able to work each other on
>DSB. I've read that DSB rigs with DC RXs cannot work each other.

>According to what I've read, the DC receivers can't properly tune DSB sigs.

> What is the Cuban experience on this? Thanks,

>73 de CU2JL (aka N2CQR)

>Bill Meara

>Sao Miguel Island,

>The Azores, Portugal

><http://planeta.clix.pt/n2cqr>

>

Date: Fri, 21 Dec 2001 10:38:47 -0600

From: "George, W5YR" <w5yr@att.net>

To: lmairs@cox.rr.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [115585] Re: Questions about BLT

Message-ID: <3C236597.CBB326EC@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Lee, if you won't take offense, remember that in the power wiring world, BLACK is HOT, WHITE is Neutral and GREEN is safety ground (chassis). Are you sure that the service outlet you are using is properly wired?

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

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Lee Mairs wrote:

>

> Hi Group -

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> shouldn't be hard, right? Just three wires, and they are all different
> colors... Well, anyway, now it just blows fuses instantly.

Date: Fri, 21 Dec 2001 11:07:50 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115586] RE: Cathode keying voltage?
Message-ID: <01C18A0F.BB176660.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Alright, enough's enough. You OT's that used a triode for a baby bottle oughta know better. I'm sure cathode keying voltage runs only about 15% of B+ voltage. I'm sure I checked them quantitatively (measured) and qualitatively (got shocked) many times in the past.

But rather than rely on my memory, I just dug out a couple of cathode keyed boatanchors from the attic and measured them. My hallicrafters HT-40 has a B+ voltage of 559 VDC and voltage on the key is 68.8 VDC. That's 12.3%.

My 6146 "single tube novice transmitter" from the '57 handbook has a B+ of 640 VDC and 122 VDC on the key. That's 19%--a little higher than I expected but nowhere near full B+.

Also, I don't see cathode keying as being current limited. If your plate meter says 125 ma, it's going through the key.

Mind you, I'm not saying getting zapped by 70 to 122 VDC is a good thing.
But if memory serves, I've had grid block voltage get my attention also.
Can't remember what's typical, but it can be over 50 volts, right?

Maybe a technical guy or physicist in the group can explain why we get what we do on the open cathode. I guess the electron cloud probably doesn't offer much resistance. And you've got the plate with over 500 volts at the outside. But moving inward, you may have a grounded suppressor grid, then a screen a 150 volts or so, then a control grid with negative voltage. All of those grids keep the full B+ from being felt at the cathode.

72 and keep up the tube-talk,

Nick, WA5BDU

I've been kissed by the cathode and lived to tell the tale.

>but virtually the entire B+
>voltage appears across the open key contacts.

Date: Fri, 21 Dec 2001 09:07:37 -0800 (PST)
From: joe living <jliving2001@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [115587] warbler
Message-ID: <20011221170737.13334.qmail@web10605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Dear Gang

I have been using my warbler on 80 psk for the last 6 months with no problems using a serial port to control TR switching and digipan.

I just got a compaq presario 2700 laptop and would like to use it with the warbler when I travel. Problem is the laptop does not have a 9 pin serial port only usb ports. I got a dock from Mobility (a usb 200e)

that provides a 9 pin serial port. I am having trouble getting it to allow me to switch from transmit to receive using digipan. I measured the voltage on pins 5 and 7 and can't get the computer to switch the voltage from -10 to +10 like its supposed to when I click the TR command on digipan. I've installed the

drivers for the dock correctly. Any thoughts on how I can use a new laptop that has no 9 pin serial port only usb ports to switch from tr to rx using digipan and my warbler and psk20?

Joe W3GW

Do You Yahoo!?

Check out Yahoo! Shopping and Yahoo! Auctions for all of your unique holiday gifts! Buy at <http://shopping.yahoo.com> or bid at <http://auctions.yahoo.com>

Date: Fri, 21 Dec 2001 10:19:53 -0700
From: Ultralight Joe <joe@UltralightBackpacker.com>
To: qrp-1@Lehigh.EDU
Cc: FYB0@UltralightBackpacker.com
Subject: [115588] Contest Announcement: FYB0 2002 Winter QRP Field Day
Message-ID: <F2B05A4C-F636-11D5-9C83-0030656AD020@UltralightBackpacker.com>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v480)
Content-Transfer-Encoding: 7bit

Howdy gang,

Happy Holidays! The AZ ScQRPions are shivering with anticipation for the next FYB0 ("Freeze Your B___ Off") Winter QRP Field Day. Announcement appended below, hope you can come out and join us for the fun!

Note - SSB was left out this year, not because we don't like the mode, but we didn't have time to sort it all out before getting the announcement into print. If there's enough interest for next year though, we will definitely add SSB. Please let us know!

(I'm on digest mode, and am still barely digging out from Life, so please pardon delays in response. All contest-related queries will be answered within 24 hours of me reading them, though fellow ScQRPions and FYB0 veterans will likely beat me to it!)

Bring on the snow! Can't wait to hear all those old familiar fists!

Cheers de AB7TT,

-Joe, AZ ScQRPions, Trying to sort out my dits from my dahs....

===== FYBO 2002 ANNOUNCEMENT =====

The 6th Annual FYBO (Freeze Your B_____ Off) Winter QRP Field Day

Sponsored by the AZ ScQRPions.

*** SAFETY FIRST! PLEASE RESPECT THE WX AND YOUR OWN LIMITATIONS! ***

1400Z Feb 2 to 0200Z Feb 3 (Operate all 12 hours).

QRP HF Only. CW (5W max). Near QRP calling freqs (no WARC bands).

Categories: Single Op (Home/Field), Multi Op (Home/Field), Novice/Tech+.

Work stations once per band. Score 1 point per QSO.

Exchange RST, State/Province/DXCC Country, first name, power out, and temperature (Fahrenheit) at OPERATOR'S POSITION. Indoor stations must report INDOOR temperature.

Example: 579 AZ Frosty 2W 40F

Multipliers:

SPCs (each counts only once overall),

Field Location: x4 (Field per ARRL FD definition),

Alternative Power: x2,

QRPP (less than 1W): x2,

Lowest Operating Temp (at OP'S POSITION):

65+ F = x1;

50-64 F = x2;

40-49 F = x3;

30-39 F = x4;

20-29 F = x5;

Below 20 F = x6.

Final Score: QSOs x SPCs x Temp Multi (x Field) (x Alt Pwr) (x QRPP).

Mail logs by March 3 to: Joe Gervais (AB7TT), PO Box 5010, Peoria, AZ 85385. Include station description, category, op(s), and max power out. For more info, send email to <fybo@UltralightBackpacker.com> or visit <www.extremezone.com/~nk7m>.

Date: Fri, 21 Dec 2001 11:21:37 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115589] RE: Cathode keying voltage?--Addendum
Message-ID: <01C18A11.A8104440.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Oops--in my rant on cathode keyed line voltage, I meant to add a link to a simple circuit I use for cathode keyed rigs. It's like the one N6BM recently made part of his VXO circuit for tube rigs.

I got totally frustrated trying to key my boatanchors--"high voltage" bipolar transistors would fail, reed relays would weld their contacts. So I went to this power FET circuit and life's been good ever since.

My circuit is set up to key two cathode keyed circuits--the VFO and the transmitter. It uses a 9V battery and works with modern keyers designed for today's rigs. Note that I don't currently see the IRF-730 in BG Micro's catalog, but they do have the IRF-840 at \$1.49.

Go to <http://www.cswnet.com/~nkennedy/> and click the links for the text description and the schematic.

72--Nick, WA5BDU

Date: Fri, 21 Dec 2001 12:31:55 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115590] Re: Cathode keying voltage?
Message-ID: <0a0401c18a45\$630da660\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, the circuit I'm building has B+ on one side of the key and the tube on the other. So... it IS full B+ and current across the key. HOWEVER.... The tube is rated 45V to 180V (more like 120V) and I plan on running it at 90 to 100V B+. So... I'll just be careful. I'm mounting the rig in a plastic box (at full power these tubes barely get warm) and am powering it from an external supply (or batteries). I could add a keying relay or tube or transistor switch... but that would add more parts than are used in the whole transmitter.

3A5 Single Tube QRP Transmitter is FUN radio! (Yes, it could be a single tube transceiver... but I'm just building the TX section right now and putting both of it's triodes in parallel.

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, December 21, 2001 12:07 PM

Subject: RE: Cathode keying voltage?

> Alright, enough's enough. You OT's that used a triode for a baby bottle
> oughta know better. I'm sure cathode keying voltage runs only about 15%
> of
> B+ voltage. I'm sure I checked them quantitatively (measured) and
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> Maybe a technical guy or physicist in the group can explain why we get
what
> we do on the open cathode. I guess the electron cloud probably doesn't
> offer much resistance. And you've got the plate with over 500 volts at
the
> outside. But moving inward, you may have a grounded suppressor grid, then
> a screen a 150 volts or so, then a control grid with negative voltage.
All
> of those grids keep the full B+ from being felt at the cathode.
>
> 72 and keep up the tube-talk,

>
> Nick, WA5BDU
>
> I've been kissed by the cathode and lived to tell the tale.
>
>
> >but virtually the entire B+
> >voltage appears across the open key contacts.
>

Date: Fri, 21 Dec 2001 12:45:44 -0500
From: "Mark Fancher" <mmfancher@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <FIVEWATTS@aol.com>, <w6toy@erols.com>
Subject: [115591] Re: What about the 6L6?
Message-ID: <001d01c18a47\$52dfe300\$d3e3d23f@ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I happen to have one of these tubes. Any info on a tube transmitter circuit? I'd love to build my first.

Mark, AA4MF
----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, December 20, 2001 6:57 PM
Subject: Re: What about the 6L6?

> Ah nostalgia! I think the reason you don't hear much about the 6L6
> these days is that they are hard to come by and snapped up by
> audiophiles! The 6L6 made a fine rig. I used one in a Heathkit AT-1.
> Put out around 20 watts on all bands except 10 meters where it doubled
> in the final and only put out 10 watts. There were a number of fixed
> for that too! There are literally hundreds of circuits for the old girl
> in QST. Build one and go for it! And I remember 4 cent QSL postage!
>
> 73

Date: Fri, 21 Dec 2001 11:49:51 -0600
From: "George, W5YR" <w5yr@att.net>
To: mmfancher@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115592] Re: What about the 6L6?
Message-ID: <3C23763F.8EDADDAE@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mark, get hold of any old QSTs from the late 30's and 40's and you will find dozens of circuits - just like Bruce said.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Mark Fancher wrote:

>
> I happen to have one of these tubes. Any info on a tube transmitter
> circuit? I'd love to build my first.

Date: Fri, 21 Dec 2001 17:51:10
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: joe@UltralightBackpacker.com, qrp-l@Lehigh.EDU
Subject: [115593] Re: Contest Announcement: FYBO 2002 Winter QRP Field Day
Message-ID: <F39v2S1rYZK5lVEDqUg0000c75c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

In measuring temperature when camping out in a tent for this event, is it temp inside or outside the tent? If the op is in a sleeping bag, is it temp inside or outside the bag? What if the radio is in the bag with the op? I'm looking forward to this one, we should have plenty of snow here in Ohio by then!

73/72 - Mike WA8BXN

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Fri, 21 Dec 2001 12:56:56 -0500
From: "Brian" <brian@iquest.net>
To: <w5yr@att.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115594] Re: What about the 6L6?
Message-ID: <001001c18a48\$e1664960\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not to mention.....ARRL MEMBERS can go to:

<http://www.arrl.org/tis/info/tranrcvr.html>

For ALL kinds of tube projects.

Two articles from 1955 are online in PDF format.

"A Simple Transmitter"

"A Simple Receiver"

How To Become A Radio Amateur, 1955

Many of us started with these - a single 6V6 and a single 3S4.

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, December 21, 2001 12:49 PM
Subject: Re: What about the 6L6?

> Mark, get hold of any old QSTs from the late 30's and 40's and you will
> find dozens of circuits - just like Bruce said.

>

> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262

> Amateur Radio W5YR, in the 56th year and it just keeps getting better!

> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

>

> All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

>

>

> Mark Fancher wrote:
> >
> > I happen to have one of these tubes. Any info on a tube transmitter
> > circuit? I'd love to build my first.
>
>

Date: Fri, 21 Dec 2001 12:58:19 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Mike WA8BXN <hubby2k@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115595] Re: Contest Announcement: FYBO 2002 Winter QRP Field Day
Message-ID: <Pine.LNX.4.21.0112211256400.3374-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 21 Dec 2001, Mike WA8BXN wrote:

For the past five years it's always been the temperature "at the
key". Which has lead to a lot of disussion about putting keys in freezer,
etc, etc :)

> In measuring temperature when camping out in a tent for this event, is it
> temp inside or ouside the tent? If the op is in a sleeping bag, is it temp
> inside or outside the bag? What if the radio is in the bag with the op? I'm
> looking forward to this one, we should have plenty of snow here in Ohio by
> then!

> 73/72 - Mike WA8BXN

>

>

>

> -----
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

>

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 21 Dec 2001 11:04:42 -0700
From: Ultralight Joe <joe@UltralightBackpacker.com>

To: "Mike WA8BXN" <hubby2k@hotmail.com>
Cc: qrp-1@Lehigh.EDU
Subject: [115596] Re: Contest Announcement: FYBO 2002 Winter QRP Field Day
Message-ID: <3563AEB6-F63D-11D5-9C83-0030656AD020@UltralightBackpacker.com>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v480)
Content-Transfer-Encoding: 7bit

Ah, the permutations are endless. :-) Stick a good, easy-to-read thermometer right next to your key/paddles. Very hard to key effectively with it shoved in your sleeping bag, but if you can pull it off then you're a better snow camper than I. :)

Cheers de AB7TT,

-Joe, AZ ScQRPions

On Friday, December 21, 2001, at 05:51 , Mike WA8BXN wrote:

>
> In measuring temperature when camping out in a tent for this
> event, is it temp inside or outside the tent? If the op is in a
> sleeping bag, is it temp inside or outside the bag? What if the
> radio is in the bag with the op? I'm looking forward to this
> one, we should have plenty of snow here in Ohio by then!
> 73/72 - Mike WA8BXN
>
>
>
> -----
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>
>

Date: Fri, 21 Dec 2001 13:08:47 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <mmfancher@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115597] Re: What about the 6L6?
Message-ID: <0a3701c18a4a\$897bf5e0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here's a circuit by Frank J. Lotito, K3DZ for a one-tube transmitter that

"should" work with a 6L6 with minor changes.
<http://www.antiquewireless.org/otb/1920xmtr.htm>

Here's some more information on one-tube transmitters:
<http://www.tpub.com/neets/book12/48i.htm>

Here's another... a bit more complicated:

"Build a 1934 Transmitter "
>From the Column "A.W.A. On the Air"
Conducted by Ken Gardner
>From OTB Vol. 20, No. 3 (December, 1979)
<http://www.antiquewireless.org/otb/34xmtr.htm>

Here's a very nice page with great photos and circuits:

A 6AG7-6L6 MOPA from the Late 1940s
By Gary Johanson, WD4NKA
<http://www.qsl.net/wd4nka/TEXTS/MOPA.HTM>

Have fun!

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Mark Fancher" <mmfancher@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 12:45 PM
Subject: Re: What about the 6L6?

> I happen to have one of these tubes. Any info on a tube transmitter
> circuit? I'd love to build my first.

>

> Mark, AA4MF

> ----- Original Message -----

> From: "Bruce Muscolino" <w6toy@erols.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Thursday, December 20, 2001 6:57 PM
> Subject: Re: What about the 6L6?

>

>

> > Ah nostalgia! I think the reason you don't hear much about the 6L6
> > these days is that they are hard to come by and snapped up by
> > audiophiles! The 6L6 made a fine rig. I used one in a Heathkit AT-1.
> > Put out around 20 watts on all bands except 10 meters where it doubled
> > in the final and only put out 10 watts. There were a number of fixed
> > for that too! There are literally hundreds of circuits for the old girl

> > in QST. Build one and go for it! And I remember 4 cent QSL postage!
> >
> > 73
>

Date: Fri, 21 Dec 2001 13:25:15 -0500
From: "Brian" <brian@iquest.net>
To: "pigs" <fpqrp-1@mpna.com>, "QRP-L" <qrp-1@lehigh.edu>
Subject: [115598] 30M crystal
Message-ID: <003201c18a4c\$d638aa70\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey I'm building the 2 transistor 30m transmitter from the feb 1984 QST.
It's designed by KB4PY.

I gave away my last 30m crystal to a fellow ham thinking, I'll never need
that. Now I do. Does anyone have a single 10.110 to 10.120 crystal I can
have, buy, trade for, or steal?

<http://www.arrl.org/tis/info/pdf/8402046.pdf>

I think non-members can view that one.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Fri, 21 Dec 2001 10:27:42 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115599] Here's a source for WW2 era J-38 Keys
Message-ID: <009101c18a4d\$2ebdf380\$15e9b3d1@tjacobs>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I couldn't find the link at first, but here it is.
<http://www.surplustuff.com/misc.html> I bought my latest J-38 from these
guys. It came in good shape too! They are a bit more than I paid for my
first one at ~ \$40.00, but they do have them. Hope this helps...

72/73's
Trev
KG6CYN

Date: Fri, 21 Dec 2001 13:32:11 -0500
From: "Brian" <brian@iquest.net>
To: <brian@iquest.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
Subject: [115600] Re: 30M crystal
Message-ID: <004401c18a4d\$cf2aad40\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WOW!!!

In 30 secs I had my crystal need fulfilled!!

----- Original Message -----
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 1:25 PM
Subject: 30M crystal

> Hey I'm building the 2 transistor 30m transmitter from the feb 1984 QST.
> It's designed by KB4PY.
>
> I gave away my last 30m crystal to a fellow ham thinking, I'll never need
> that. Now I do. Does anyone have a single 10.110 to 10.120 crystal I can
> have, buy, trade for, or steal?
>
> <http://www.arrl.org/tis/info/pdf/8402046.pdf>

>
> I think non-members can view that one.
>
>
> =====
> KB9BVN/QRP - New Whiteland IN - EM69WN
> QRP-ARCI #10223 QRP-L #1540 FIST #5695
> FISTS CC #764 - Proud Member ARRL
> TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
> INTO INFAMOUS AF4PS ATTIC DIPOLE
> SOC #400 AND FLYING PIGS QRP #-57
> =====
>
>
>

Date: Fri, 21 Dec 2001 11:37:09 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: <hubby2k@hotmail.com>
Cc: "qrp list" <qrp-l@lehigh.edu>
Subject: [115601] Re: Contest Announcement: FYBO 2002 Winter QRP Field Day
Message-ID: <001301c18a4e\$80b03bc0\$7a127d3f@nk7m>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>
> In measuring temperature when camping out in a tent for this event, is it
> temp inside or outside the tent? If the op is in a sleeping bag, is it temp
> inside or outside the bag? What if the radio is in the bag with the op?
I'm
> looking forward to this one, we should have plenty of snow here in Ohio by
> then!
> 73/72 - Mike WA8BXN
>
>
>
Temp is measured at the operator's position...if you operate in the sleeping
bag, in the tent, then measure it there.

Bob NK7M

Date: Fri, 21 Dec 2001 13:01:10 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [115602] FOX: FINAL LOG - CUB FOX N0IT
Message-ID: <3C2386F6.D8817DA5@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Attached is my final log from Tuesday night's Cub Fox Hunt. Total of 51 pelts including myself as fox. Thanks again for all who stopped by and made it a fun evening.

73 de Dave, N0IT
Happy Holidays to all

UTC	CALL	RST	STATE	NAME	POWER
02:00	W5YR	559	TX	GEORGE	5W
02:01	N2CQ	559	NJ	KEN	5W
02:02	K5DI	559	NM	KARL	5W
02:03	KC9LC	559	VA	RANDY	5W
02:05	K0EVZ	559	ND	DOC	5W
02:06	K4ADI	559	SC	FRANK	5W
02:08	K5JHP	559	TX	BILL	5W
02:09	KV4EE	559	SC	CRAIG	4W
02:10	K4GT	559	GA	JIM	5W
02:11	K8CV	559	MI	WALT	5W
02:12	K4FB	559	FL	PAUL	5W
02:14	VE3FAL	579	ONT	FRED	5W
02:15	N1TP	559	FL	TOM	5W
02:17	NF0R	599	MO	DAVE	250mw
02:17	WD7Z	559	NM	DAVE	5W
02:18	AF4PS	559	FL	MAC	3W
02:19	AG0T	559	ND	TODD	4W
02:20	KC1FB	559	CT	JIM	5W
02:21	AA50	559	LA	VERN	5W
02:22	KG4LDY	559	VA	JIM	5W
02:24	KK5LD	599	TX	DAN	5W
02:24	W8VJW	559	MI	JOHN	5W
02:25	W6EU	569	CA	JIM	1W

02:27	W4BQP	599	NC	JIM	5W
02:28	VE4WI	559	MB	CRAIG	5W
02:29	K4BYF	559	FL	JACK	5W
02:30	N5IB	559	LA	JIM	5W
02:31	WA8BXN	559	OH	MIKE	5W
02:33	N5YFC	559	LA	WAYNE	5W
02:34	W3CD	559	CA	BOB	5W
02:35	K2ZN	559	NY	AL	1W
02:37	AB8DF	559	MI	ED	5W
02:38	K5PSH	559	TX	JERRY	5W
02:40	KL7IXI	549	WA	MIKE	3W
02:41	KB1DXC	559	CT	MIKE	5W
02:43	N0TK	559	CO	DAN	5W
02:44	W3SMK	559	NJ	STEVE	5W
02:45	WB8WTU	559	OH	DENNIS	2W
02:46	KB3E0F	559	MD	MURPHY	5W
02:47	KG6CYN	559	CA	TREVOR	5W
02:50	KB1FKL	559	CT	MATT	5W
02:51	N4IM	559	TX	COLE	5W
02:54	N1YXU	599	TX	LAURIE	100W
03:04	AJ4AY	579	AL	JAY	5W
03:17	VA6RF	589	AB	EARL	5W
03:18	N5GJQ	579	LA	MIKE	5W
03:21	AD6JY	559	CA	DAN	5W
03:25	N10DL	559	NH	ARON	5W
03:27	WR50	559	TX	DAVE	5W
03:37	AD4IH	559	FL	JOE	5W
04:00	N0IT	FOX	MO	DAVE	5W

Date: Fri, 21 Dec 2001 13:06:07 -0600
 From: "Jay Bromley" <w5jay@alltel.net>
 To: <qrp-1@Lehigh.EDU>
 Subject: [115603] WANTED: DSP-100
 Message-ID: <005901c18a52\$8bd30ba0\$56adfea9@ibm22209>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

HI Gang,
 I am looking for a DSP-100 that was an option for the TS-850 and TS-450
 rigs. If you have one of these and would like to get rid of it please drop
 me an email or call me at the numbers below.

Happy Holidays, Many Thanks, and 73 de w5jay..

Cell-501-651-7012

Home-501-646-5380

Date: Fri, 21 Dec 2001 12:24:41 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [115604] SWAP
Message-ID: <001401c18a55\$247b5400\$1ddd070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a Icom 2710H 2 meter 440 meter mobile and a collection of camera and lenses to trade for a FT817. Please reply direct Thanks Cal KF7ET

Date: Sat, 22 Dec 2001 03:31:41 +0800
From: "Jerry Bartachek" <leadsheet@musician.org>
To: qrp-l@Lehigh.EDU
Subject: [115605] OT: Computer For PSK3
Message-ID: <20011221193141.23203.qmail@mail.com>
Content-Type: text/plain; charset="iso-8859-1"
Content-Disposition: inline
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

I'm thinking about joining the PSK31 fad, but need advice about a laptop. Many articles and web sites imply that one can find a pentium I with 16 bit sound for "very little" or "almost nothing". All the used or refurbished computers I see for sale seem to cost \$300 to \$1000. Even ebay seems to climb very high just before the auction is over.

Anyone out there want to sell an old, but working laptop with sound for let's say less than

\$150? Or perhaps trade the old laptop plus some cash for a QRP Plus? [Note: my desktop computer is too far away from my station to be used. A little 12 inch screen laptop would fit on my op desk]

72/73 and thanks for any help or sound advice you can offer.

Jerry KD0CA
FISTS Club #7064
QRP ARCI #5166
QRP-L #544
--

FISTS Club #7064
QRP ARCI #5166
QRP-L #544

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http://www.getpennytalk.com/cgi-bin/adforward.cgi?p_key=RG9853KJ&url=http://www.getpennytalk.com

Date: Fri, 21 Dec 2001 14:36:18 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>, Foxii <qfox@egroups.com>
Subject: [115606] Fox- K4FB log v 1.0
Message-ID: <3C238F32.FFD5AD4C@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please email any corrections.

73
Paul K4FB

0200	WR50	599 TX	DAVE	5W
0201	K5JHP	559 TX	BILL	5W
0202	N3BJ	559 VA	ALAN	5W
0203	AF4PS	599 FL	MAC	5W
0203	K8KFJ	599 WV	DICK	5W
0204	WA9TZE	559 WI	JIM	5W
0204	K4TJD	559 GA	TOM	5W
0205	N9NE	559 WI	TODD	5W
0206	N1LN	599 TX	BRUCE	5W
0206	N4ROA	559 VA	DAN	5W
0207	N8VAR	599 OH	RON	5W
0208	KV4EE	559 SC	KEITH	5W
0209	AA50	559 LA	VERN	5W
0210	KB9YIG	559 IN	TONY	5W
0211	WA8BXN	559 OH	MIKE	5W
0212	W0CH	559 MO	DAVE	900MW
0213	K5LN	559 TX	BILL	5W
0213	KQ5U	559 TX	TERRY	5W
0214	N2WW	559 CO	LARRY	5W
0215	K3PH	599 PA	BOB	5W
0215	N1TP	559 FL	TOM	5W
0216	N1FN	559 CO	ET	5W
0217	W0UFO	559 MN	MERT	5W
0217	K0FRP	579 CO	AL	5W
0218	N0DSP	559 CO	TOM	5W
0219	NK9G	559 WI	RICK	5W
0220	K0PC	559 MN	PAT	5W
0221	VA6RF	559 AB	EARL	5W
0222	K4BYF	559 FL	JACK	5W
0222	K4ADI	599 SC	FRANK	5W
0223	K5ZTY	559 TX	BILL	5W
0224	K9IS	559 WI	STEVE	5W
0225	N3ZPQ	559 OH	FRANK	4W
0226	W6EU	579 CA	JIM	5W
0227	K9DC	559 IN	DAVE	5W
0227	WE9K	559 WI	GLENN	5W
0228	AB5NQ	599 AR	BILL	5W
0229	K4JPN	599 GA	STEVE	4W
0230	NQ7X	559 AZ	FLOYD	5W
0231	AD4IH	559 FL	JOE	5W
0232	VE6JAZ	559 AB	ROB	5W
0233	VE6KG	559 AB	NORM	5W
0233	WV9N	559 OH	RANDY	5W
0234	VE3FAL	579 ON	FRED	5W
0235	N0AR	559 MN	SCOTT	5W
0235	W9XU	559 WI	LON	5W
0236	WA8WV	599 WV	DAVE	5W

0238	KG4LDY	559 VA	DAN	5W
0239	N2CQ	559 NJ	KEN	5W
0239	W5USJ	559 TX	CHUCK	5W
0240	W9HL	559 IL	RANDY	5W
0241	N8IE	559 OH	KARL	3W
0242	W5TB	599 TX	DOC	5W
0242	K5PSH	559 TX	JERRY	5W
0243	N4MAP	559 GA	SAM	5W
0244	KB1FKL	559 CT	MATT	5W
0245	WD4MSM	559 IN	BARRY	5W
0246	K5DW	559 TX	DON	5W
0247	VE4WI	559 MB	CHRIS	5W
0249	KB1DXC	559 CT	MIKE	5W
0250	W8VJW	559 MI	JOHN	5W
0251	KC0ATC	559 CO	CHRIS	3W
0252	K1SWG	559 ME	BRIAN	100W
0253	NM5M	579 TX	ERIC	5W
0253	W0PWE	559 IA	JERRY	5W
0254	WY1W	559 CT	BRUCE	5W
0254	AC5JH	559 MS	TOM	5W
0255	N9AW	599 WI	JERRY	5W
0256	KC5ZZ	599 LA	WALT	5W
0257	NU8S	559 OH	DENNIS	5W
0258	K5DI	559 NM	KARL	5W
0300	WA8ZBT	559 TX	DENNIS	5W
0301	N5IB	559 LA	JIM	5W
0302	WD7Z	559 NM	DAVE	5W
0303	AJ4AY	579 AL	JAY	5W
0303	VE5RC	559 SK	BRUCE	5W
0306	AG0T	559 ND	TODD	4W
0307	WB6BWZ	599 GA	MATT	5W
0308	K6VNX	559 CA	ARLEN	5W
0309	N0TU	559 CO	STEVE	5W
0309	AD2A	559 NJ	DAVID	5W
0310	N4IM	559 TX	CHRIS	5W
0311	AF4LQ	559 KY	MIKE	5W
0312	N0TK	559 CO	DAN	5W
0313	KV2X	559 NY	TOM	5W
0316	KB7WW	559 OR	ART	5W
0316	K9OZ	559 IL	BRUCE	5W
0317	N0RC	559 CO	ROD	5W
0318	AA7XA	559 OR	FRANK	5W
0319	N0UR	559 MN	RON	5W
0320	KD5KXF	559 TX	MIKE	5W
0320	K8CV	559 MI	WALT	5W
0321	K3IU	559 RI	KEN	5W
0322	KK5LD	559 TX	JIM	5W
0323	W7ILW	559 AZ	WALT	5W

0324	K7TQ	59	ID	RANDY	5W
0324	K5BGB	589	TX	RON	5W
0326	KJ0C	559	MO	JIM	5W
0326	NX8C	559	MI	NEIL	5W
0327	W1GL	559	MN	TED	5W
0328	W0JOE	559	MO	JOE	5W
0329	W5USM	569	TX	BILL	5W
0334	N6WG	559	CA	BOB	5W
0336	N0HRL	559	MN	KEN	5W
0337	W3SMK	599	NJ	STEVE	5W
0340	AD6JY	559	CA	DAN	5W
0342	N0IT	599	MO	DAVE	5W
0345	N1MG	539	CA	MIKE	10W
0346	NN5E	559	TX	VERN	5W
0348	K9DI	559	IL	WAYNE	5W
0351	KC9LC	559	VA	CLYDE	5W
0353	W0RW	579	CO	PAUL	5W
0355	KG6CYN	559	CA	TREV	5W
0356	K7EL	559	OR	DAVE	5W
0357	NV4V	559	KY	PETE	5W
0358	WB8WTU	559	OH	DENNIS	2W
0400	K4FB	599	FL	FOX	5W
0400	VE6EX	559	AB	FOX	5W

Date: Fri, 21 Dec 2001 12:41:33 -0700
 From: "John_Evans" <jaevans@codenet.net>
 To: <qrp-1@lehigh.edu>
 Subject: [115607] RE: Contest Announcement: FYB0 2002 Winter QRP Field Day
 Message-ID: <200112211241.AA164823352@mail.codenet.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset=us-ascii

Gee, if we need to measure the temperature at the operating position for FYB0, I'd assume that we'd need to use a rectal thermometer.

Sorry, couldn't resist.

Everyone, please have a safe Holiday Season !!!!

72 - john - n0hj

Date: Fri, 21 Dec 2001 11:53:09 -0800

From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115608] Re: TT2 Kits needed before the 25th
Message-ID: <00df01c18a59\$1e7cc3a0\$15e9b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all the replies!

72/73's

Trev

KG6CYN

----- Original Message -----

From: Trevor Jacobs <fxtech@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 1:09 AM
Subject: TT2 Kits needed before the 25th

> Not sure who to contact on the latest TT2 Kits, but could I get 3 of
> them before the 25th???

>

> 72/73's

> Trev

> KG6CYN

>

>

Date: Fri, 21 Dec 2001 11:52:50 -0800 (PST)
From: Tom Popovic <ki3r@yahoo.com>
To: nkennedy@tcainternet.com,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115609] RE: Cathode keying voltage?
Message-ID: <20011221195250.54742.qmail@web11201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Nick ...first of all thanks for the info on the keying circuit as I wanted to key my Eico 723 with my Logikeyer from Idiom Press. It reminds me of an occurrence in my youth where I borrowed my buddy's homebrew x-mtr. I thought I smelled something cooking so I leaned forward to put my schnoz closer to the

transmitter. I didn't realize that my hand was on one side of the J-38. Pow !!!! I did smell something the next instantmy nose. Well the burn mark at the end blended in with the acne so all was well. I really think back on all the times that I got hit with various voltages. Thank God for the 12 standard. God Bless and Merry Christmas all ..

Tom KI3R Port Vue nr Pittsburgh

>

> I've been kissed by the cathode and lived to tell
> the tale.

=====

The common good was the claim and justification of every tyranny ever established over men. Every major horror of history was committed in the name of altruistic motive... Actors change, but the course of the tragedy remains the same. Ayn Rand 1943

Do You Yahoo!?

Send your FREE holiday greetings online!

<http://greetings.yahoo.com>

Date: Fri, 21 Dec 2001 11:56:02 PDT

From: <blinn@smgazette.com>

To: qrp-1@Lehigh.EDU, k8pz@earthlink.net

Subject: [115610] Tube Keyer?

Message-ID: <200112211156.AA394199174@smgazette.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Nearly 30 years ago a friend gave me a tube type keyer, seems like there were two or maybe three tubes, since it had a built in regulated power supply. Anyone still have one of these old things? I used mine for a year or so and remember that the timing was difficult to keep in tune. Now, just for nostalgia reasons, I'd like to have another working one to play with. Does anyone have a schematic or other information they would share?

Thanks,

Bill - WA7TQK

--

Date: Fri, 21 Dec 2001 12:10:44 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <ed.kwik@delphiauto.com>
Subject: [115611] RE: testing crystal finters
Message-ID: <NFBBKLDHALEHCJMAJPKFGEJDCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Where can I get spectrogram, and what hardware is required to interface with it?

As always, great answers here on this list (insert smiley face here)

While I agree that it's probably easiest to just build a receiver and put my filter in and use it, from an education and 'tinkering' point of view I think it will be cool to see if I can actually do the measurements. I didn't realize it could be so complex!! Then again, lol we can make un-bending a paper clip a complex process here huh (another smiley face)

Tracy N4LGH

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Kwik, Ed
Sent: Friday, December 21, 2001 9:55 AM
To: Low Power Amateur Radio Discussion
Subject: RE: testing crystal finters

How about using a broadband noise source like the new RX noise bridge, a simple diode detector, into a computer running spectrogram?

NOISE			DIODE		COMPUTER
SOURCE	-->	FILTER	-->	DETECTOR	==> RUNNING
					SPECTROGRAM

Ed AB8DF

-----Original Message-----

From: Tracy Markham [mailto:tracy@bytemark.com]
Sent: Thursday, December 20, 2001 5:11 PM
To: Low Power Amateur Radio Discussion
Subject: testing crystal filters

This is the most active I've ever been on this list!! Great threads this week ...

I have had in my possession for several (10+) years a pair of KVG 9 MHz crystal filters. They are expensive buggers, even back then at >\$125 each. I have one XF9A and one XF9B.

I'm sure that their performance does not deteriorate much over the years, but they've been packed, shipped, packed, shipped, everywhere I've gone.

I want to build a little test jig to see if they still meet specs, or function well enough, but I really have no clue how to go about it. I figured I'd build a fixture with a little match network to feed it and terminate it properly. But, all I can figure to do is use a circuit out of a receiver that matched the 500 ohm impedance to 50 ohms like in the Progressive Receiver by W7ZOI, and terminate it with a 500 ohm resistor.

Is this a good idea?? I figured I'd use my DDS card to sweep the filter from say 8.5 to 9.5 MHz, and look at the termination with a scope. My shop has a 100 MHz scope I can use to look at the output.

Questions are, is my idea right, is there a better, or an easier way to match to it, and what would be a good test if I didn't have a scope.

I did build the progressive receiver by Wes, and it was great - but that was years ago. Then I used the IF amp from that project and the product detector minus audio amps from basically a mini R1, into a sound blaster for a little computer controlled rig. That was fun too.

But all that was years ago and I'd like to see if the filters are still good, and learn a bit about the process in the mean time.

Thanks!!
Tracy N4LGH

Date: Fri, 21 Dec 2001 20:35:01 +0000
From: euramcom pages <mel@euramcom.freemove.co.uk>
To: <qrp-l@lehigh.edu>
Cc: <qrp@yahoogroups.com>
Subject: [115612] valves/tubes kits
Message-ID: <T57f7863ba9ac1785ed279@pcow035o.blueyonder.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Hi Guys 'n gals,

specially stateside. I knew at the back of my mind I had a link somewhere on the EurAmCom pages about valves [tubes] and kits so I checked my various links.

<http://www.kit-master.co.uk>

gets you to the main site for these kits, ranging from simple two-valver {tube} kits upwards for SW, MW and regen etc.etc. This is a small kit supplier who offers these in the UK market. They have recently set-up some kind of marketing deal with

<http://www.greenweld.co.uk>

which allows them to sell using secured "plastic" (VISA, MC) payments.

Look up the kits on the kit-master site first, then order and pay on Greenweld site. Remember to use the word "valve" in the greenweld on-site search facility.

I have no earthly idea how these kits function or of the quality of them or whatever. I simply offer the info for WIW and for you to go look. There's even a good old fashioned battery eliminator kit for the battery powered kits, as well as a mains supply unit, but remember this will most likely include a 240v primary transformer as it's for the UK market.

Greenweld I know of and deal with on a regular basis, personally and professionally, they do good lines in NOS and other surplus stuff, also goodies for model makers, steam engines, hot-air turbines and the likes.

Have fun

Me1

GM6JAG Edinburgh Scotland
Home of the last HW9

SINGALONGA MEL for Xmas

<http://www.ukcaravans.org.uk/xmas>

Date: Fri, 21 Dec 2001 14:38:05 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Amateur Repairs" <amateur-repairs@yahoogroups.com>,
"Christian Hams" <christianhams@yahoogroups.com>,
Cc: "Laurel Varner" <laurelv@iowasocean.com>,
"Keith Foglesong" <metal4life@netscape.net>,
Subject: [115613] My Christmas card to all of you
Message-ID: <044601c18a5f\$70f03080\$9111a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Okay, Christmas cards are too expensive to send out to hundreds of people,
so I just whipped something up in Paint Shop and posted it at my website
for all of you.

Season's Greetings!

<http://www.qsl.net/kc0bom/xmascard.html>

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Fri, 21 Dec 2001 15:50:06 EST
From: WE7X@aol.com
To: QRP-L@lehigh.edu
Subject: [115614] MOPA?
Message-ID: <b8.207376d3.2954fa7e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I've been following the "Tube" thread and have to ask what does MOPA mean.
I've seen it used many times and still have not found out what it is
referring to.

Date: Fri, 21 Dec 2001 16:18:44 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [115615] Re: MOPA?
Message-ID: <03f301c18a65\$12e96460\$d8eb5b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Master Oscillator Power Amplifier. Or in other words a 2 stage transmitter.

Mike W3IRZ

Date: Fri, 21 Dec 2001 15:26:22 -0600
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [115616] Re: MOPA
Message-ID: <007501c18a66\$239a5a20\$9902a8c0@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If I remember correctly, it stands for Master Oscillator Power Amplifier..

jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Fri, 21 Dec 2001 16:28:20 -0500
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-l@Lehigh.EDU
Subject: [115617] Re: MOPA?
Message-ID: <3C23A973.A73364E9@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Master Oscillator, Power Amplifier.

K2MGM

Date: Fri, 21 Dec 2001 16:44:37 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <njqrp@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [115618] Build a Logging Frequency Counter
Message-ID: <000501c18a68\$e3372b40\$c8ca9cce@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks -

Just finished putting the finishing touches on the "Logging Frequency Counter" project web page, as described in NorCal's latest QRPp issue starting to hit people's mailboxes this week.

Consistent with the style Doug set for this issue, it's a 1-page article describing how to make simple mods to a project many people already have (PSK31 Audio Beacon) in order to have it perform frequency measurements and send them out the RS-232C serial port to a computer. Thus by running a terminal emulator program like HyperTerminal on your PC, you can display and/ or capture frequency measurements for that audio oscillator, RF VFO, or whatever. Makes a nice visual record of frequency settings, drift and other instabilities an oscillator might have.

The web page contains lots more description, schematic, photos and the SX

controller source code. Point your browser to
<http://www.njqrp.org/freqcntr/> to see it all.

73, George N2APB
n2apb@amsat.org

PS: Man, can't wait to get my issue of QRPP this time. Gonna be a landmark issue with all those projects and articles! Way to go NorCal.

Date: Fri, 21 Dec 2001 16:50:02 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115619] Re: valves/tubes kits
Message-ID: <3C23AE8A.D50DAEA8@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

euramcom pages wrote:

> <http://www.kit-master.co.uk>
>
> gets you to the main site for these kits,

It seems like it's an empty site now.

73s,
--Alex

Date: Fri, 21 Dec 2001 22:13:41 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: tracy@bytemark.com, qrp-l@Lehigh.EDU
Subject: [115620] RE: testing crystal finers
Message-ID: <F2212ccWTBhJhZmuXNJ0000bd2b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Tracy Markham" <tracy@bytemark.com>
>Reply-To: tracy@bytemark.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Subject: RE: testing crystal finters
>Date: Fri, 21 Dec 2001 12:10:44 -0500
>
>Where can I get spectrogram, and what hardware is required to interface
>with
>it?
>
>As always, great answers here on this list (insert smiley face here)
>
>While I agree that it's probably easiest to just build a receiver and put my
>filter in and use it, from an education and 'tinkering' point of view I
>think it will be cool to see if I can actually do the measurements. I
>didn't
>realize it could be so complex!! Then again, lol we can make un-bending a
>paper clip a complex process here huh (another smiley face)

If you have a signal generator (one of your DDSs should do) you could terminate the filter properly at both ends, measure the attenuation over the filter bandwidth and plot the results.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Fri, 21 Dec 2001 17:19:36 EST
From: N2PTW@cs.com
To: qrp-1@lehigh.edu
Subject: [115621] parts FS
Message-ID: <136.6352755.29550f78@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have been reading all the post on tube transmitters and thought some of you might be interested in my items of that era. First let me tell you I have hundreds of old (but new) radio parts from the 1950's and 60's . These include JW miller coils still in the box etc. ,aluminum chassis etc.,just so much I could not list it all. We took some to a antique radio fest and it sold for very good prices. If you have something of special interest you

might ask if we have it. But for today I will list the following for sale.

New 9 miniture pin tube sockets 3 for \$3.00 and I will ship conus

New ceramic hc-6u xtal sockets 4 for \$2.00 and I will ship conus

New Big 8 pin tube socket for 6L6 etc

these are ceramic low loss heavy 2 for \$3.00 and I will ship

untill supplys run out . Thank You please reply off list

Joyce N2PTW

Date: Fri, 21 Dec 2001 14:36:59 -0800
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [115622] Re: Objections!
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F08741322@hq-expo2.filenet.com>

Should we try to be objective about this?

W. H. Phinizy, K6WHP

Date: Fri, 21 Dec 2001 14:49:25 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <wphinizy@filenet.com>
Subject: [115623] OT:RE: Objections!
Message-ID: <NFBBKLDHALEHCJMAJPKFGEJHCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe it was a Monty Python player who said it best -

"I think that all good thinking people are sick and tired of being told that they are sick and tired. I'm not, and I'm sick and tired of being told that I am!"

Tracy N4LGH

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
Phinizy, William
Sent: Friday, December 21, 2001 5:37 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Objections!

Should we try to be objective about this?

W. H. Phinizy, K6WHP

Date: Fri, 21 Dec 2001 14:46:23 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [115624] RATC special station
Message-ID: <3C23BBBF.176DCDF8@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll be using my pixie2 for RATC. Expect 4 hrs of operating.
I'll do the best I can with the antenna at the mobile home park.

No replies please since I can't read email but once/twice
a month.

72,Ed we6w

Sign Up for NetZero Platinum Today
Only \$9.95 per month!
<http://my.netzero.net/s/signup?r=platinum&refcd=PT97>

Date: Fri, 21 Dec 2001 18:00:53 -0500
From: Dave Fouchey <dafouchey@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115625] All this discussion about Home Brew Tube Rigs Reminds Me
Message-ID: <4.1.20011221175728.0098dbd0@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Of all the rigs that were built using parts scrounged from a Kitchen Radio

and an old TV Chassis. Darn near EVERYTHING but the Crystals and the tank Coils could be scrounged from those two items.

Then you look into one of the modern Television Sets and just shake your head and head for a catalog to look at store bought rigs..

Guess I am showing my age.

73's
Dave
WA4EMR/8

Date: Fri, 21 Dec 2001 18:22:37 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: unlisted-recipients;; (no To-header on input)
Cc: ow Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [115626] Re: What about the 6L6?
Message-ID: <3C23C43D.3E94559F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Just another note about 6L6's and othre early novice rigs. There were a lot of designs that used the tubes as oscillators. They worked, but a two stage transmitter will work better. Just like transistors, an oscillator followed by a final. Ths was the circuit of the fabled Heathkit AT-1. It used a 6L6 in the final. It was very stable and worked well!

I would recommend you use a circuit similar to it, not just an oscillator. When used as oscillators alone you get a lot of crystal pulling and heating.

73

Date: Fri, 21 Dec 2001 18:27:23 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: WE7X@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [115627] Re: MOPA?
Message-ID: <3C23C55B.9583941A@erols.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

MOPA means Master Oscillator Power Amplifier. There is no difference between tube type transmitters and transistor type transmitters. Using an oscillator followed by an amplifier, a MOPA, results in a more stable design!

73

Date: Fri, 21 Dec 2001 18:41:10 -0500
From: Dave Fouchey <dafouchey@home.com>
To: w6toy@erols.com,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115628] Re: What about the 6L6?
Message-ID: <4.1.20011221183933.0096c7d0@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Speaking of tubes 6L6, 6F6, 6J6 and a plethora of others available at

<http://store.yahoo.com/thetubestore/index.html>

I have no connection with them nor do I know how reputable they are, the prices were instructive though! Whew. Break out the Platinum card.

Dave
WA4EMR/8

At 06:22 PM 12/21/2001 -0500, Bruce Muscolino wrote:

>Gang,
>
>Just another note about 6L6's and other early novice rigs. There were a
>lot of designs that used the tubes as oscillators. They worked, but a
>two stage transmitter will work better. Just like transistors, an
>oscillator followed by a final. This was the circuit of the fabled
>Heathkit AT-1. It used a 6L6 in the final. It was very stable and
>worked well!
>
>I would recommend you use a circuit similar to it, not just an
>oscillator. When used as oscillators alone you get a lot of crystal
>pulling and heating.
>

>73

End of QRP-L Digest 2412
